Koobrick Boxi Manual

JENSEN® SCANDINAVIA

KOOBRICK

Manual Index

1. Introduction

Congratulations on purchasing Koobrick Boxi.

Congratulations on purchasing Koobrick Boxi. Koobrick Boxi lets you easily share your files in your network. Simply plug in the hard disk drive, connect the LAN port to your network, and run the Boxi installer from CD, and you're ready to share files. Koobrick Boxi provides a total solution for the Small and Medium-sized Business (SMB) and the Small Office/Home Office (SOHO) markets, giving you an instant way to share and manage your files through network. Enjoy!

Features

- Supports two internal SATA hard disk drives
- Provides one USB ports for connecting USB mass storage devices
- Allows you to share your files via FTP or Network Neighborhood
- Allows you to share your multimedia content to DLNA compliant media adapters, like Xbox 360, Sony PS3…
- Allows you to share your music to iTunes
- Download engine which supports download through FTP, Web and WEB torrent.
- High file transfer throughput up to 300Mbps
- Equipped with two gigabit LAN port (10/100/1000M)
- Supports static IP and dynamic IP
- Easy to use both Web-based GUI installation and configuration.

Minimum Requirements

One SATA hard disk drive

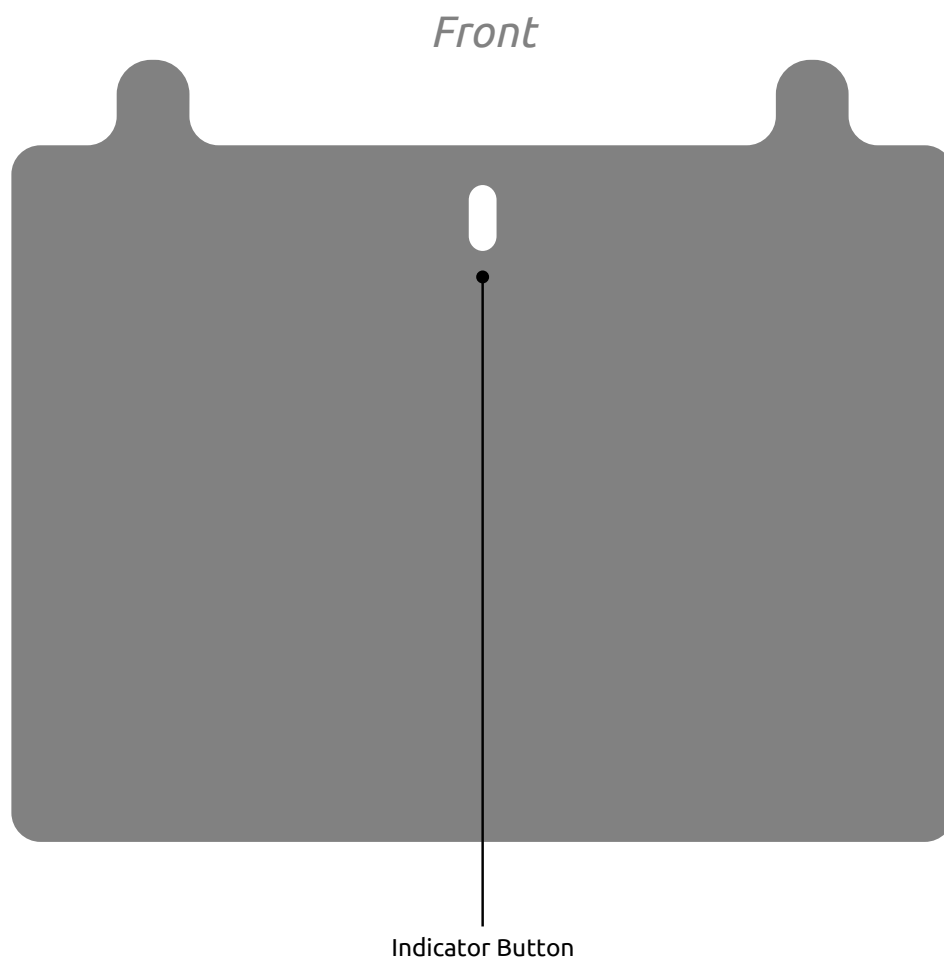Network Interface Card (NIC) for each Personal Computer (PC)

Computer with a Web-Browser (Internet Explorer 6.0 or higher, Opera, Firefox, Chrome or other web-browser).

Package Contents

- Koobrick Boxi
- Power supply (12V 5A DC)
- Quick Installation Guide
- Ethernet cable
- Warrenty card
- CD with Easy Setup and software

1.1 Understanding Koobrick Boxi

Front

Indicator Button

☼ Indicator Button

On the Koobrick Boxi front panel there is a indicator button, when you press the button it will show the status of your Koobrick Boxi. Below are possible options:

BLUE	When the button is blue the Boxi is operating correctly.
RED	When the button is blinking red the Boxi has an error. Please restart the Boxi and refer to below function/error indication table.

Indicator light	Status	Comments
BLUE/RED/WHITE blinking	No HDD found	Turn of your Boxi and make sure the hard drive/drives are installed properly.
Slow RED blinking	The hard drive/drives are almost full	Delete files from the hard drive/drives. The light stops flashing when free hard drive space at least is 10% from available space.
Quick RED blinking	Th Initial Setup: When you use your Boxi for the first time the light flashes RED quickly until the initial setup is completed. Fault indication: The hard drive/drives are not con-figured (f.i. initial setup is required), they are full or a RAID failure has occurred.	Make sure there is available space on the hard drive/drives. If the hard drive/drives are full, you must delete files. The light stops flashing when there is more than 10% free hard drive space avail-able. If an RAID error has occurred refer section "Restore RAID" for more information.
White light	A USB storage device is connected to the Boxi USB port.	The light is constantly on as long as the USB stora-ge device is connected.

Back

Ethernet Port | | USB | | Ethernet Port
Power | | | On/Off |
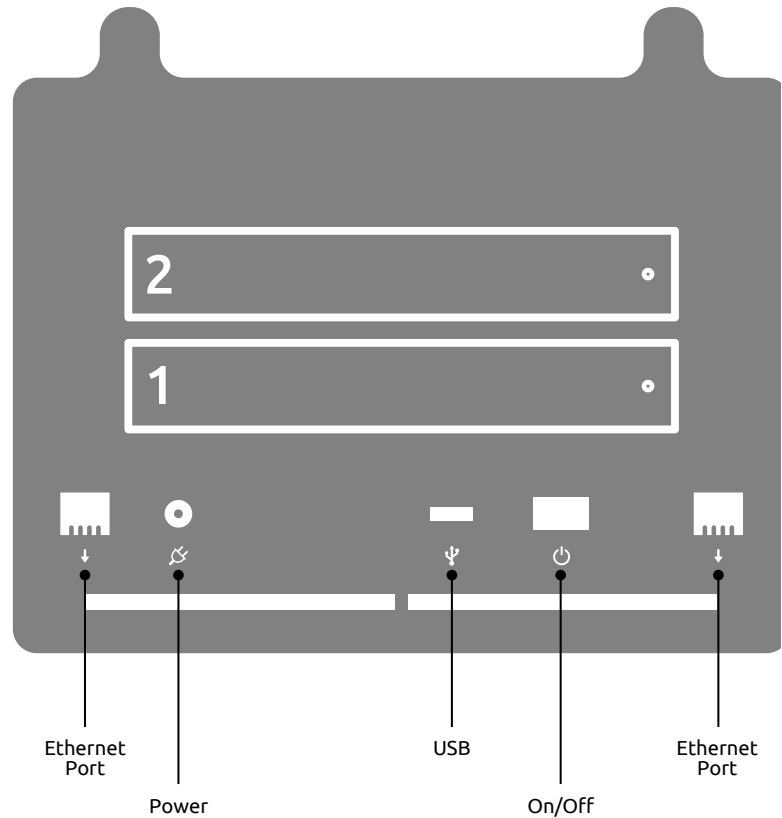
Ethernet Port (Local Area Network or LAN)
You should connect the LAN port of this Koobrick Boxi to your hub/switch, or one LAN port of your router etc.

> Note: To ensure the highest transfer speed we recommend to connect Koobrick Boxi to a broadband router or Switch which support up to 1000Mbps (Gigabit).

Power Jack
Connect power from enclosed power supply.

USB
The USB port allows you to share your files stored in the USB mass storage device plugged in.

> Note: Please plug the external power of your USB mass storage devices before you connect them to the Koobrick Boxi.

On/Off Button
ON: The front button lights up in WHITE, and then in BLUE when Boxi is ready for use.
OFF: The front button blinks in WHITE/RED until it is turned of

1.2 Getting Started

This is a step-by-step instruction on how to start using the Koobrick Boxi.

Note: The Koobrick Boxi is sold both with and without built-in hard disk drives. If you have purchased Koobrick Boxi with built-in hard disk drive, please go to step 4.
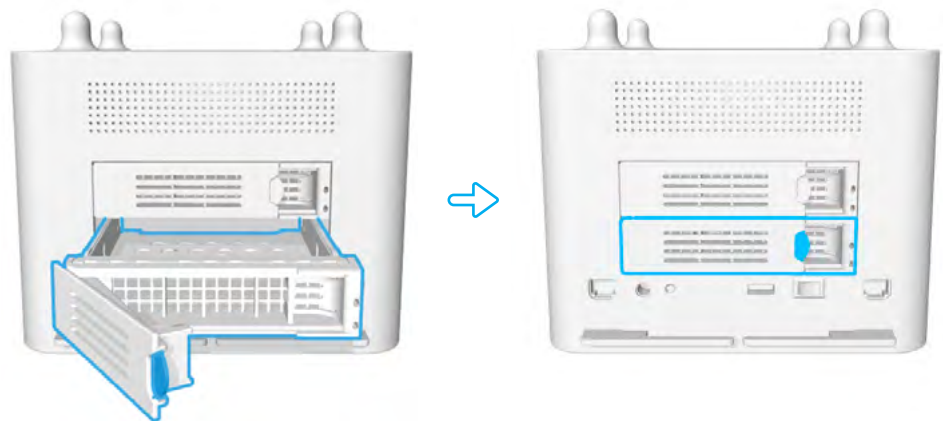
1. Pull out the disk drawer from the case of Koobrick Boxi as shown in the setup diagram below.
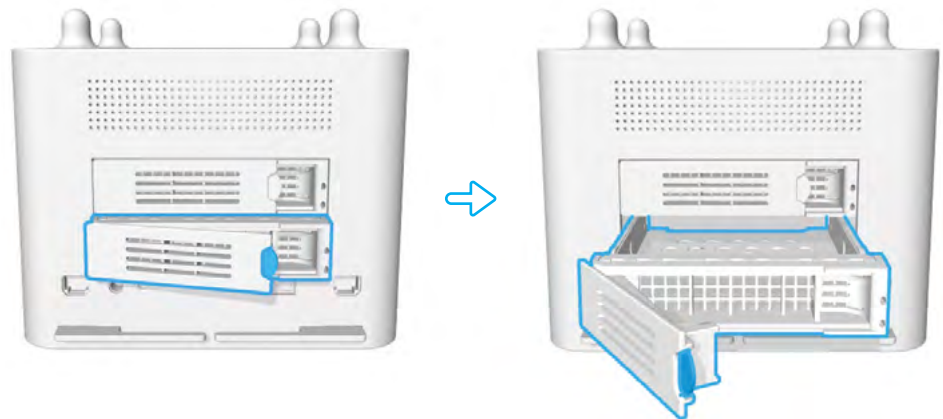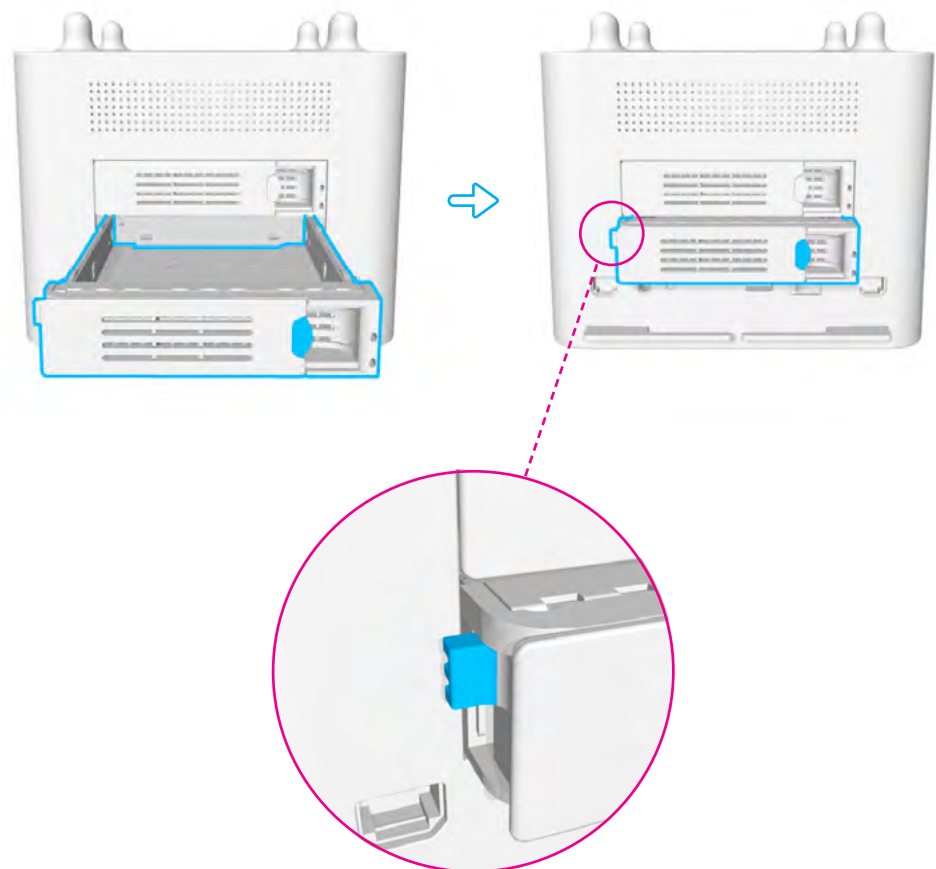

2. Remove the plastic holder as shown, and fix the hard disk drive with four screws.
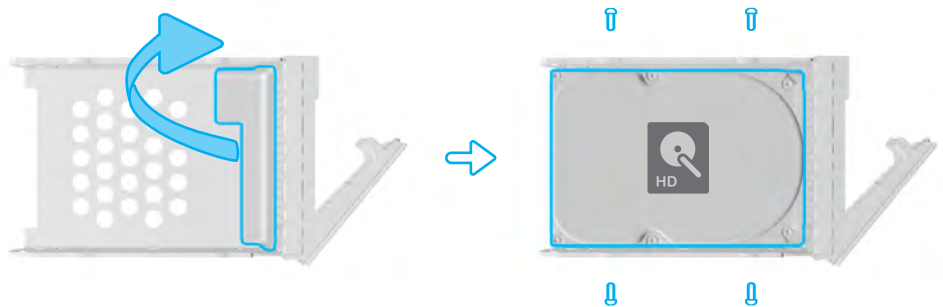
3. Push the disk drawer with hard disk drive installed back into the case of Koobrick Boxi as shown in the setup diagram below.


Warning: Please make sure the disk drawer is safely installed.
For example, please DO NOT install hard disk by the way showed below :

4. Connect the power adapter to the Boxi's power connector and to an earthed power outlet (see diagram below)

5. Connect a network cable from the Koobrick WiFi yellow LAN port to either yellow LAN port on the Boxi. (see diagram below)

6. Power ON the Koobrick Boxi by pressing the power switch at the back of your Boxi. (see diagram below)

7. To configure your Boxi see chapter 2.

You can use any 802.11 WiFi router in place of Koobrick WiFi.

On/Off

Power Outlet

Power Cable

Koobrick WiFi
(WiFi Router)

Network Cable
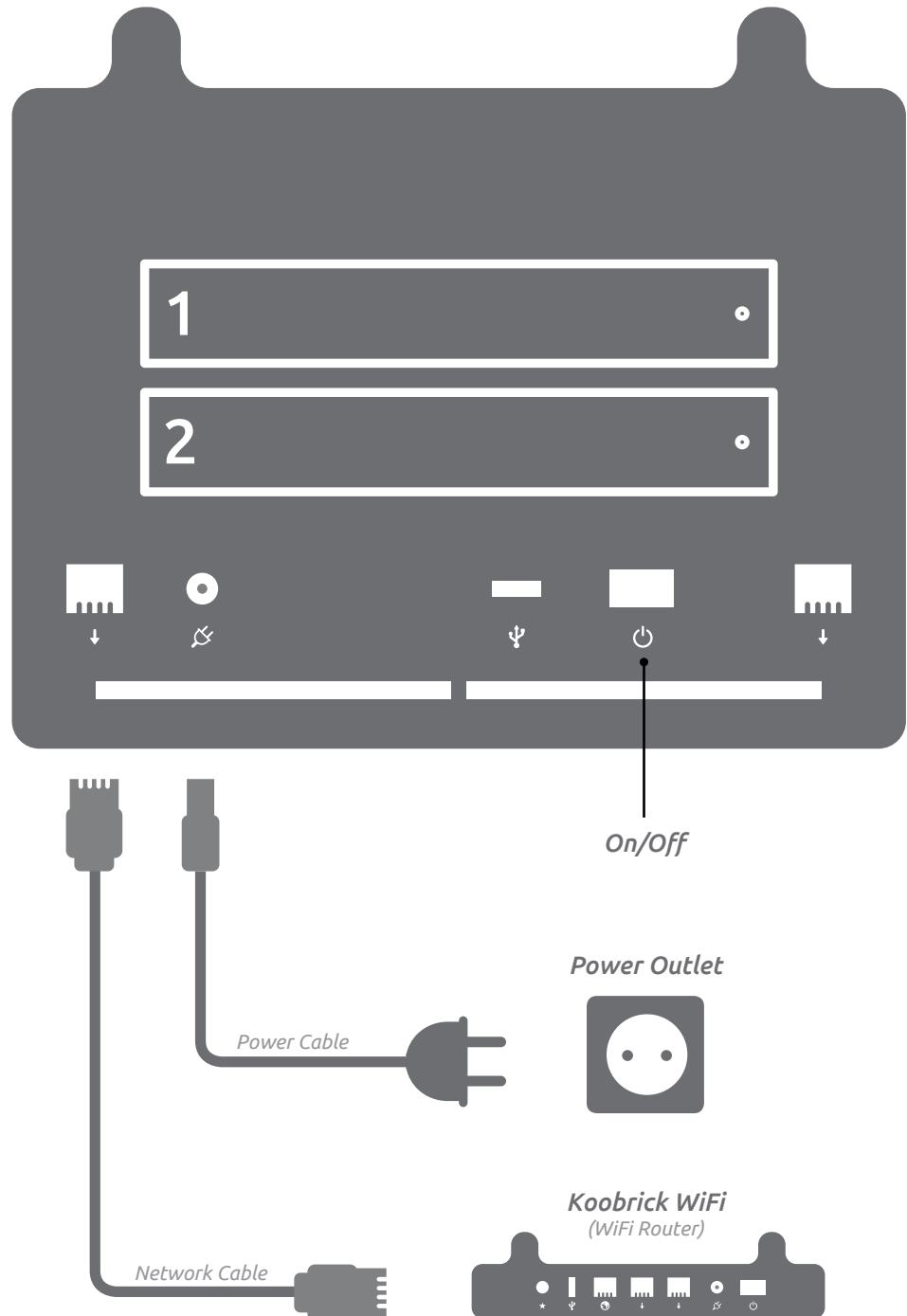
2. Setup

Initial installation of Koobrick Boxi - Windows (See chapter 2.1)

Please insert the enclosed CD and wait until the Boxi installer welcome window is shown.

The installer will guide you through the whole setup procedure, including format hard disk drive, map Koobrick Boxi folder to "My computer" and if desired install backup and NAS software.

> Note !! Initial installation only need to run once and all data on hard disk drive will be deleted.

Installation on addititonal computers-Windows(See chapter 2.2)

Please insert the enclosed CD and wait until the Boxi installer welcome window is shown.

To enable additional computers to access the Koobrick Boxi select "PC Setup" and follow the instructions.

> Note !! Initial installation (chapter 2.1) must be completed before you can add additional computers.

Initial installation - Mac or non Windows users (See chapter 2.3)

Mac: Please insert the enclosed CD, open Finder and select KooBrick Boxi CD. Then start the KooBrickBoxiFinder program.
The program will help you to locate and access your KooBrick Boxi for initial configuration.

Note !! Initial installation only need to run once and all data on hard disk drive will be deleted.

2.1 Initial installation of Koobrick Boxi - Windows

> **Warning!!**
> Following the initial installation will destroy all current data on your BOXI. See section 2.2 for reinstalling and keeping your data.

1. Insert enclosed CD into your computer and wait for Boxi installer to start.If Boxi installer does not start please click start -> Computer and then selectyour CD player (f. ex. D:) and then double click KooBrickBoxi.exe and wait for it to start.

2. Select your language.

3. Enter Password to log in to your KooBrick Boxi. This screen is only shown if you have change the default password.
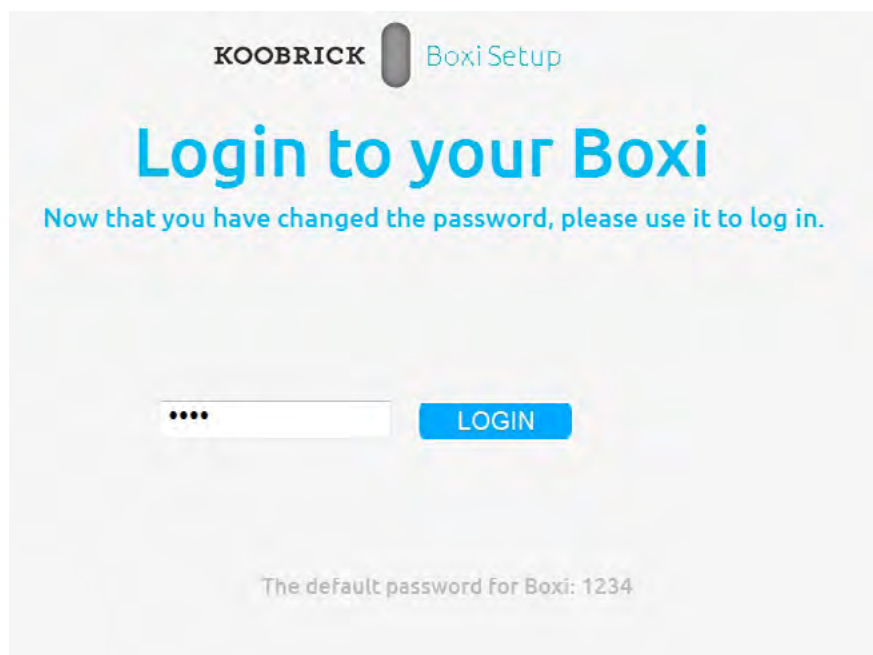
4. Select if you want to install backup software on your computer.
    Click "INSTALL" to install the backup software.
    Click "SKIP" if you do not want to install this backup software.
   Please note that the installation process will start at the end of the installation process.

5. Select "Full Setup" and click SETUP to continue.
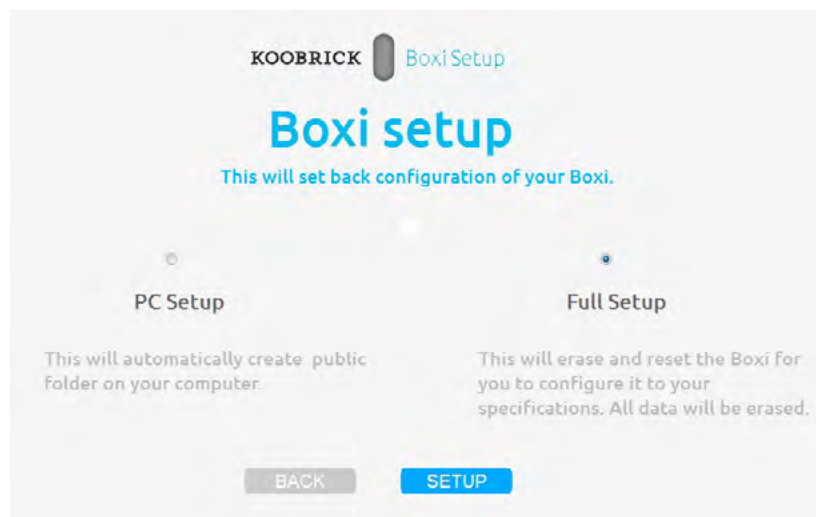
6. If your KooBrick Boxi have two internal SATA hard drives you will get the following screen asking what kind of RAID you want to setup. For further information about the different types of RAID please see section 8.1 Select RAID type and click SETUP
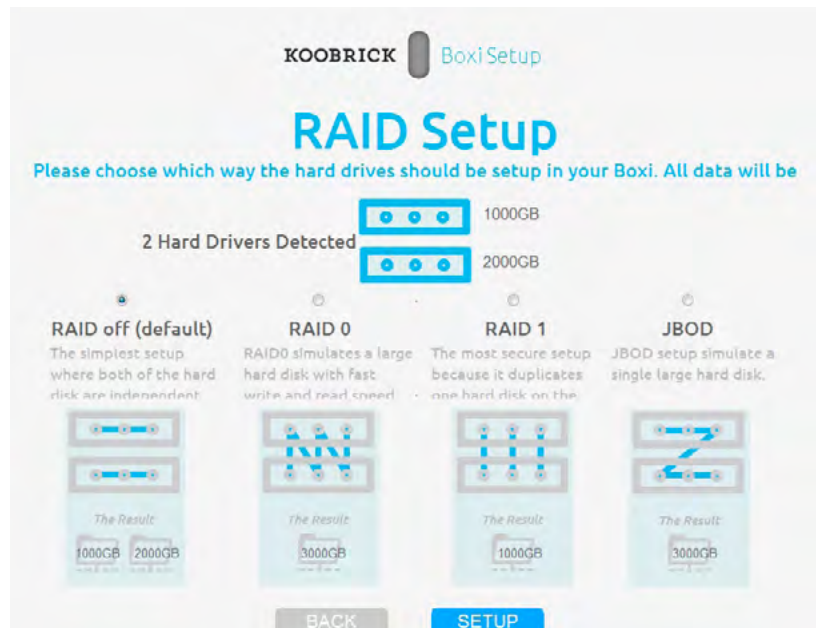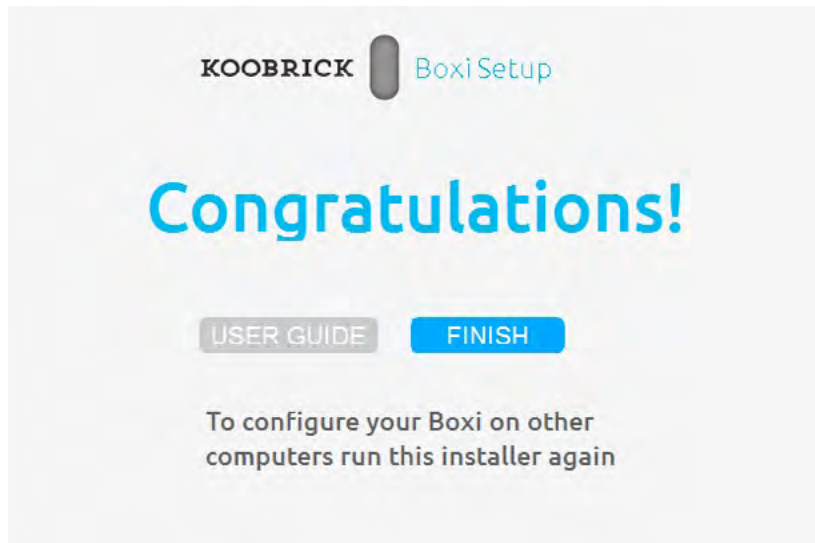

7. Please wait while your KooBrick Boxi prepare hard disc and system.
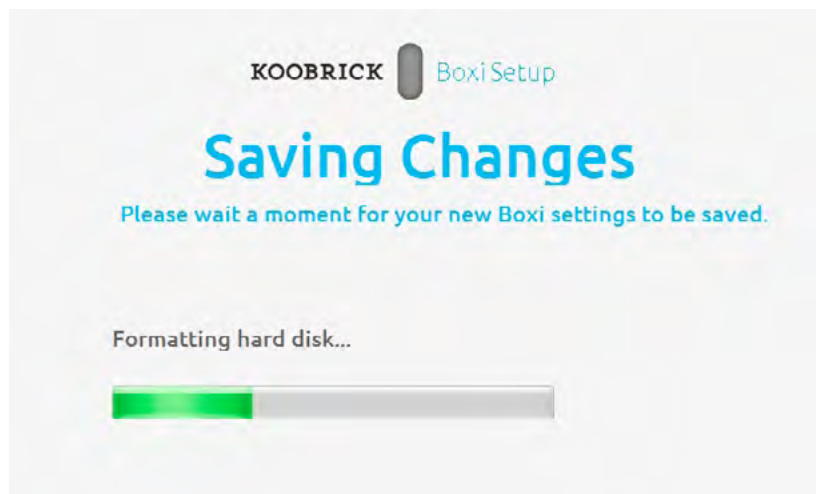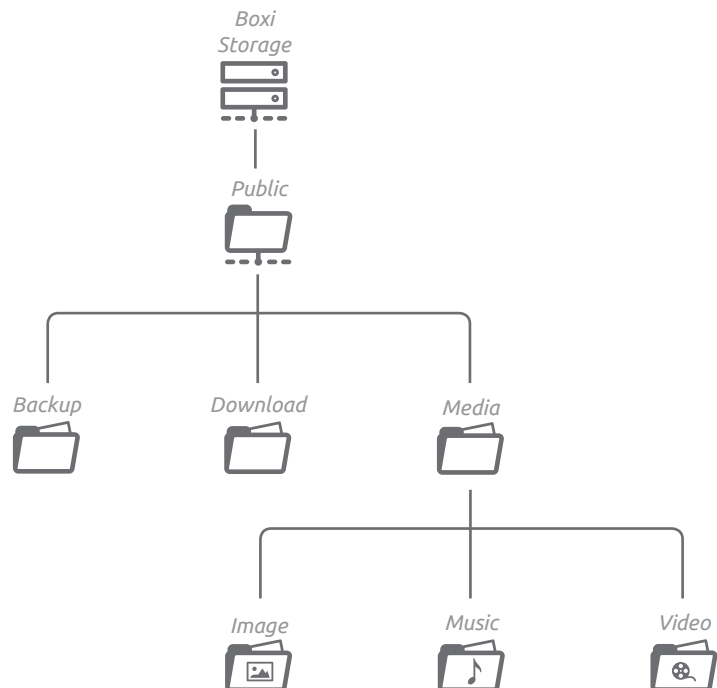
8. Your KooBrick Boxi is now ready for use on this computer. If you want to use your KooBrick on other computers, please Run this installer again on that computer.

Click FINISH to exit.

If you now click "my computer" on your desktop you will see the new nework drives added. The following folder structure is created automatically.

2.2 Install on additional computers – Windows

Before you start
Make sure you have completed "Initial installation" (chapter 2.1) before you start install-ing KooBrick Boxi on additional computers.

1. 1. Insert enclosed CD into your computer and wait for Boxi installer to start. If Boxi installer does not start please click start -> Computer and then selectyour CD player (f. ex. D:) and then double click KooBrickBoxi.exe and wait for it to start.
2. Select desired language.
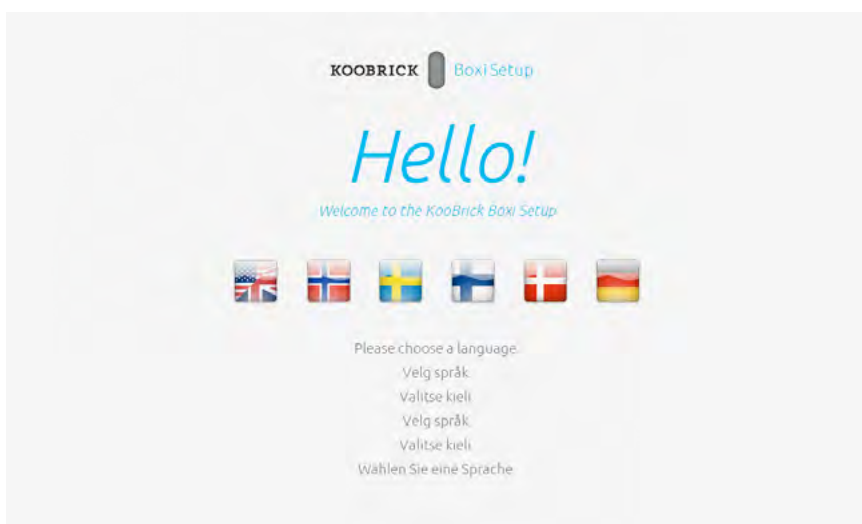
3. Enter Password to log in to your KooBrick Boxi. This screen is only shown if you have change the default password.
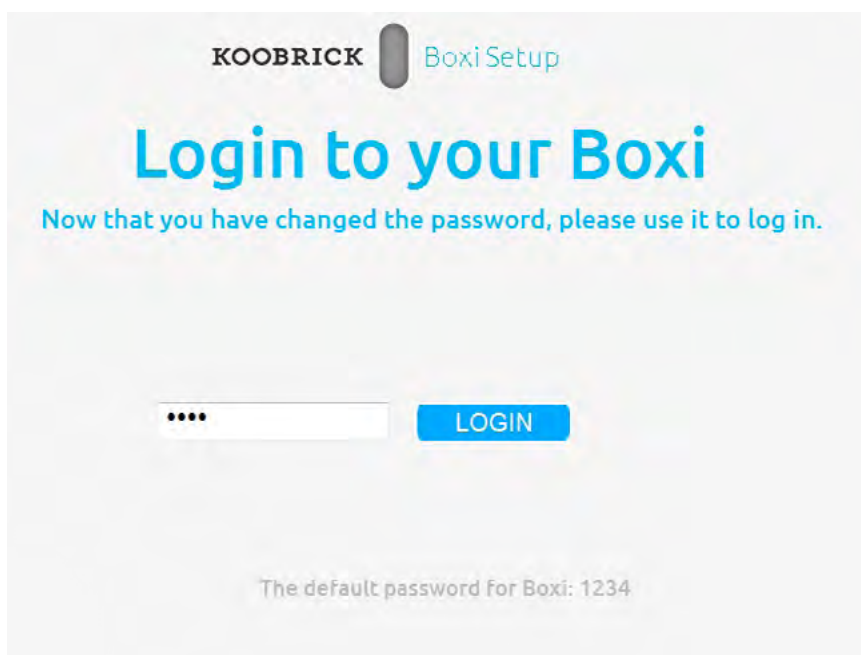
4. Select if you want to install backup software on your computer.
   Click "INSTALL" to install the backup software.
   Click "SKIP" if you do not want to install this backup software.
   Please note that the installation process will start at the end of the installation process.

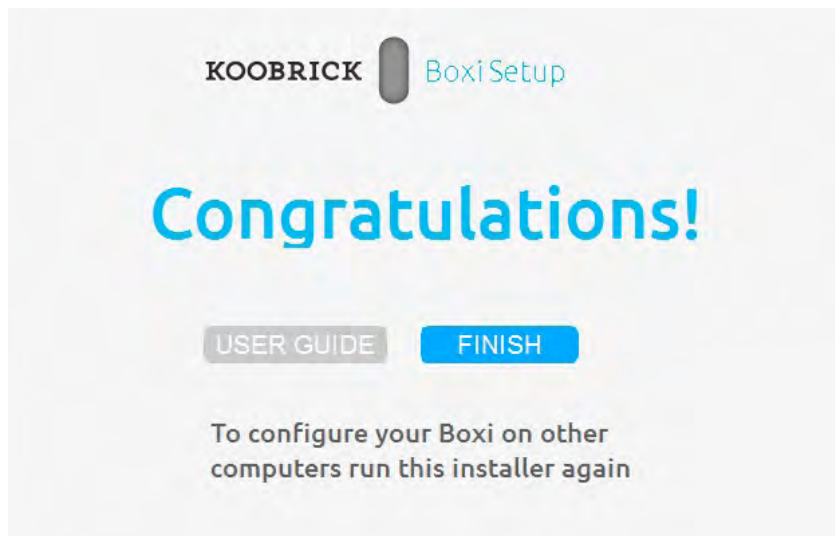5. Select "PC SETUP" and click SETUP to continue.
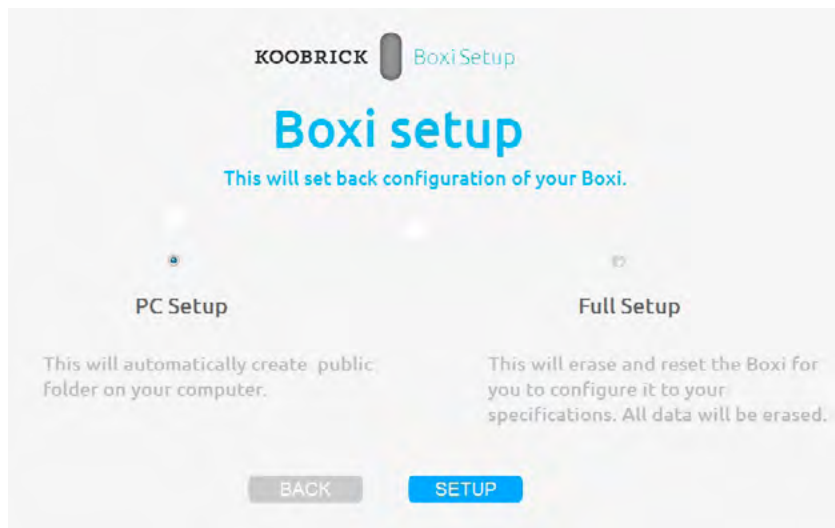
6. Please wait while your KooBrick Boxi prepare hard disc and system.
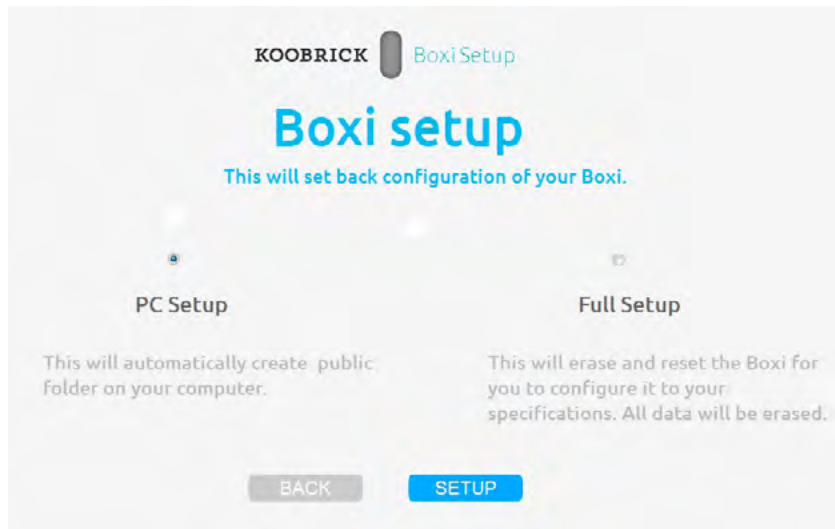
7. Your KooBrick Boxi is now ready for use on this computer.
   If you want to use your KooBrick on other computers, please Run this installer again on that computer.

   Click FINISH to exit.

If you now click "my computer" on your desktop you will see the new network drives added. The following folder structure is created automatically.

Information stored on your BOXI has not been modified.

2.3 Initial installation - Mac or non Windows users

Mac: Start from step 1None windows users: Log into your Boxi by enter http://boxi in your web browser. Default username = admin and password = 1234.
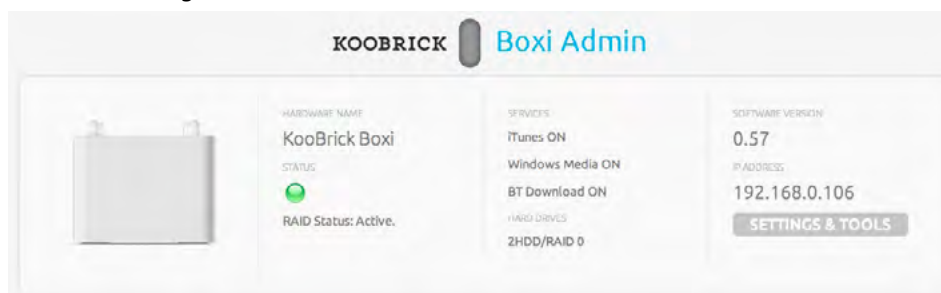
1. Insert the Koobrick Boxi CD into your Mac computer and open Finder. Select Koo-Brick Boxi CD and then start the Mac Boxi Finder application.
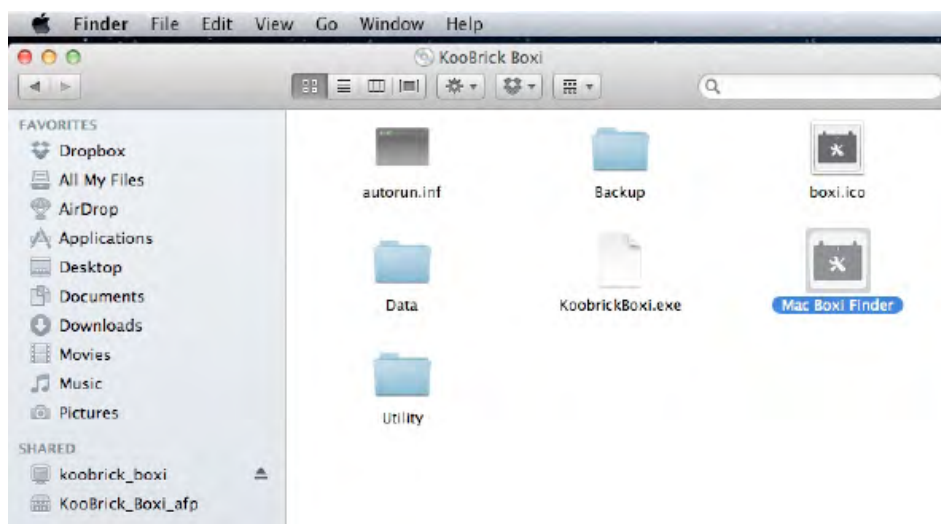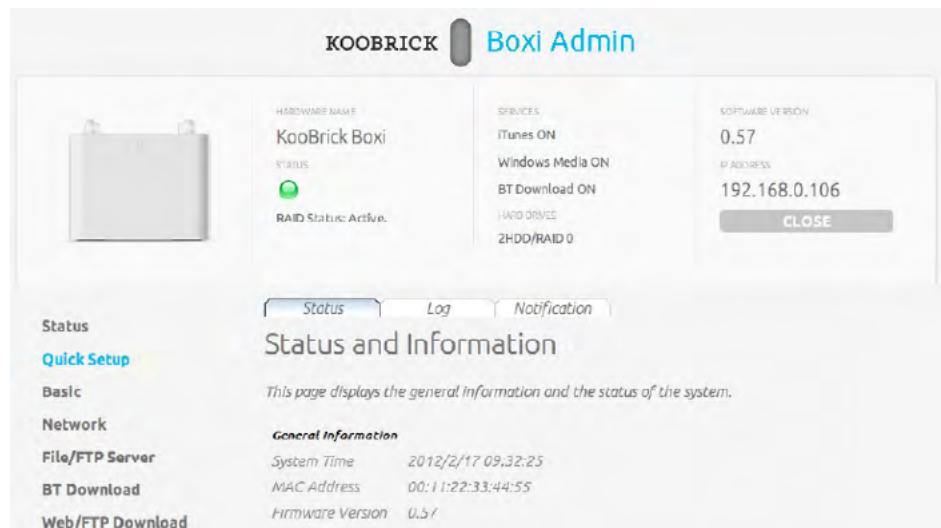

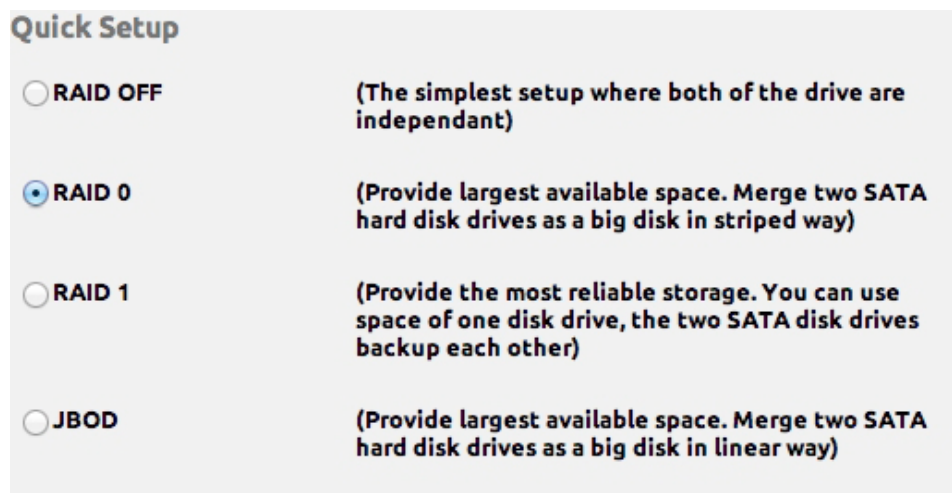2. Select your KooBrick Boxi and click Continue.
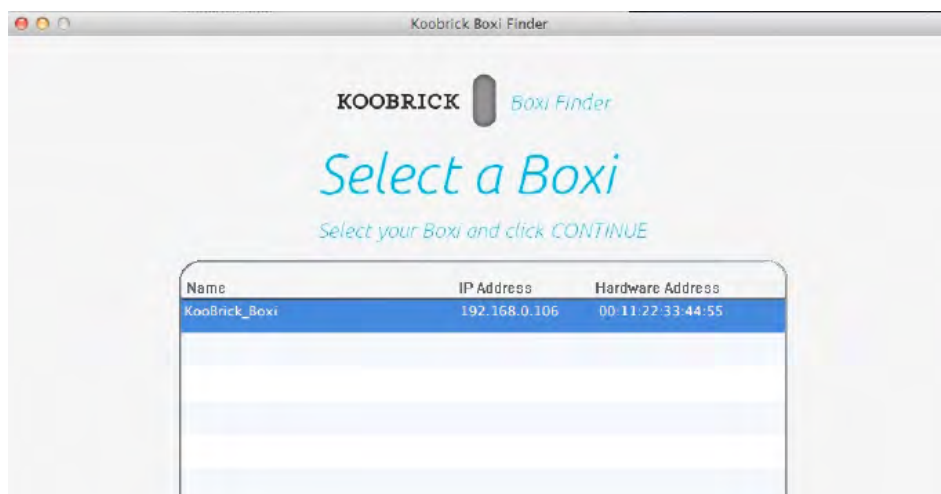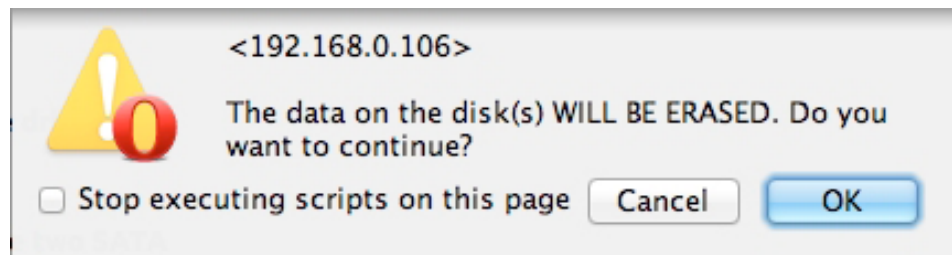

3. Click Settings & Tools
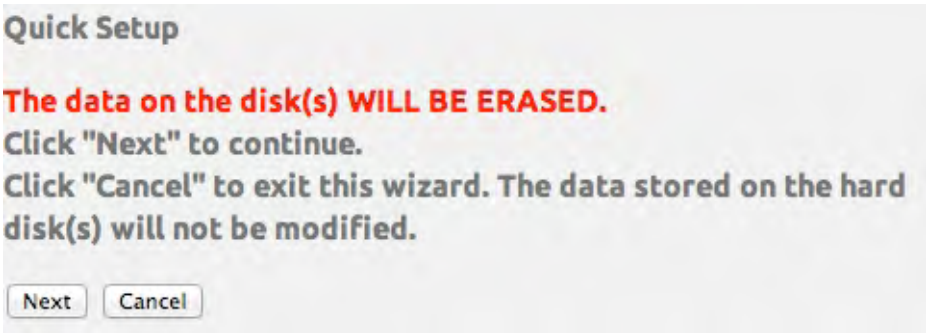
4. Click Quick Setup

5. RAID Setup (only if you have two hard disk drives). If you have two hard disk drives in your KooBrick Boxi you will get this message asking what type of configuration you want to use. Select desired choice and click Next. For further information about the different types of RAID please see section 8.1

Quick Setup

○ **RAID OFF**	**(The simplest setup where both of the drive are independant)**
⊙ **RAID 0**	**(Provide largest available space. Merge two SATA hard disk drives as a big disk in striped way)**
○ **RAID 1**	**(Provide the most reliable storage. You can use space of one disk drive, the two SATA disk drives backup each other)**
○ **JBOD**	**(Provide largest available space. Merge two SATA hard disk drives as a big disk in linear way)**

6. Warning (only if you have two hard disk drives)

7. Data stored on KooBrick Boxi hard disk will be deleted.
Click "Next" to go to the next step or "Cancel" to abort Quick Setup.

8. Password
Here you can change the login password for your KooBrick Boxi.
(Default password is 1234)

Click "Next" to go to the next step or "Cancel" to abort Quick Setup.

Note: If you change password we strongly recommend you write this down and place it so you can find it later. (Example on a sticker under KooBrick Boxi). If you lose the password, you can come up in situations where the only solution is to reset the system
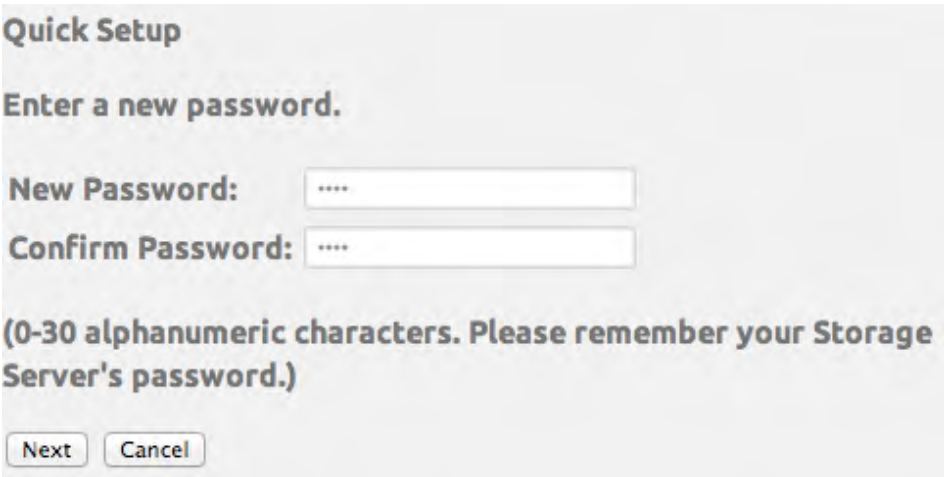
9. Network
Setup the IP address and DNS address of the KooBrick Boxi. You can manually assign IP address or let the KooBrick Boxi obtain IP address from DHCP server automatically(Default).

Click "Prev" to go to the previous step of Quick Setup.
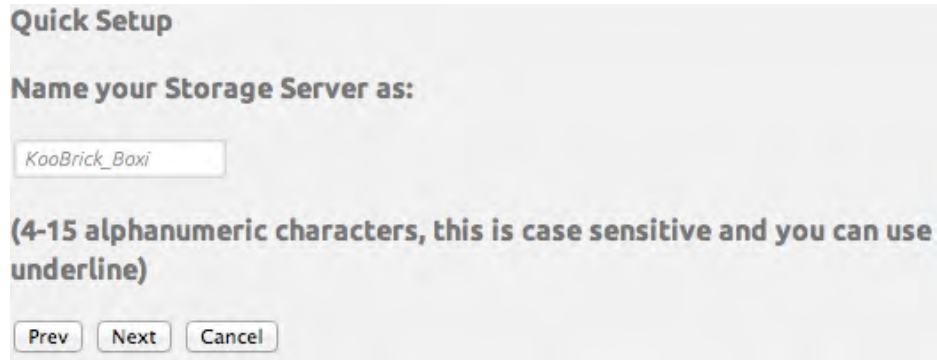Click "Next" to go to the next step or "Cancel" to abort Quick Setup.

10. KooBrick Boxi name.
Assign a name to your KooBrick Boxi. A valid name consists of 4~15
case sensitive alphanumeric and underline characters.

Click "Prev" to go to the previous step of Quick Setup.
Click "Next" to go to the next step or "Cancel" to abort Quick Setup.
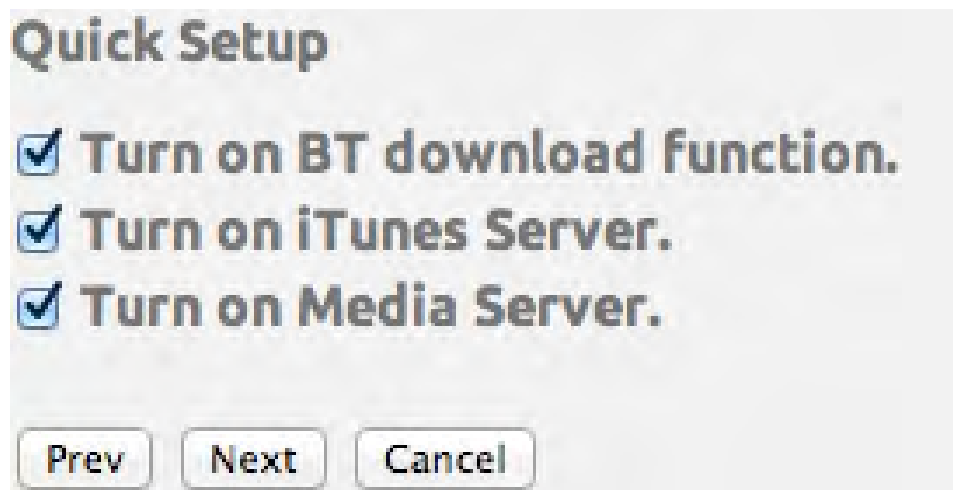
Quick Setup

Name your Storage Server as:

KooBrick_Boxi

(4-15 alphanumeric characters, this is case sensitive and you can use underline)

[Prev] [Next] [Cancel]

11. Turn on functions
Select functions that you want to use on KooBrick Boxi.

Click "Prev" to go to the previous step of Quick Setup.
Click "Next" to go to the next step or "Cancel" to abort Quick Setup.

Quick Setup

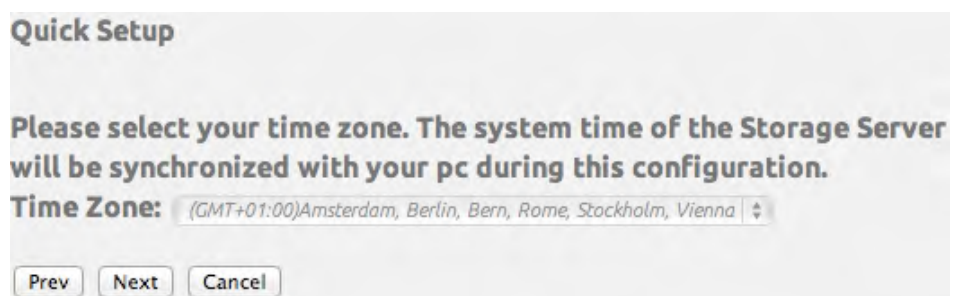☑ **Turn on BT download function.**
☑ **Turn on iTunes Server.**
☑ **Turn on Media Server.**

[Prev] [Next] [Cancel]

12. Timezone
Select the time zone of your location.

Click "Prev" to go to the previous step of Quick Setup.
Click "Next" to go to the next step or "Cancel" to abort Quick Setup.

Quick Setup

Please select your time zone. The system time of the Storage Server will be synchronized with your pc during this configuration.
Time Zone: (GMT+01:00)Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna ⬍
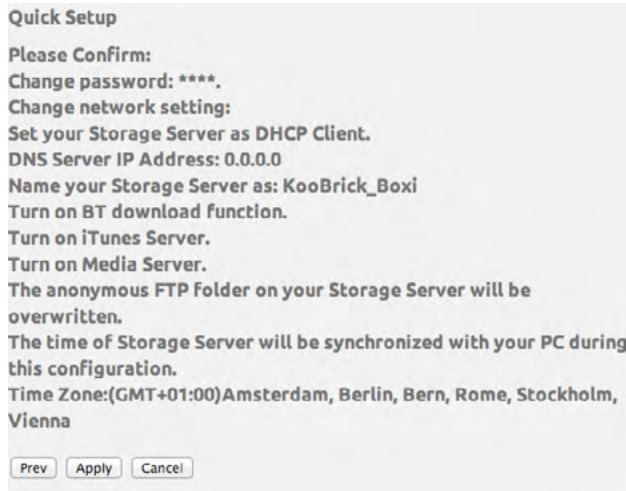
[Prev] [Next] [Cancel]

13. Confirm settings
List the setting values of Quick Setup for your confirmation.

Click "Apply" to make all the settings of Quick Setup take effect.
Click "Prev" to go to the previous step of Quick Setup.
Click "Next" to go to the next step or "Cancel" to abort Quick Setup.

Quick Setup

Please Confirm:
Change password: ****.
Change network setting:
Set your Storage Server as DHCP Client.
DNS Server IP Address: 0.0.0.0
Name your Storage Server as: KooBrick_Boxi
Turn on BT download function.
Turn on iTunes Server.
Turn on Media Server.
The anonymous FTP folder on your Storage Server will be
overwritten.
The time of Storage Server will be synchronized with your PC during
this configuration.
Time Zone:(GMT+01:00)Amsterdam, Berlin, Bern, Rome, Stockholm,
Vienna

[Prev] [Apply] [Cancel]

14. Apply settings
After you click "Apply" in the confirmation page, the following page will display and the Quick Setup will start to apply the settings to KooBrick Boxi. This process will take a while depending on your settings.

Quick Setup

This may take some times. Please wait and do not switch off the power of the Storage Server during this process.

15. Finnish
After the Quick Setup settings values are applied, the KooBrick Boxi will restart and the following page will display. Please wait for a while.

Click "Finish" after KooBrick Boxi restart is finished.

Quick Setup

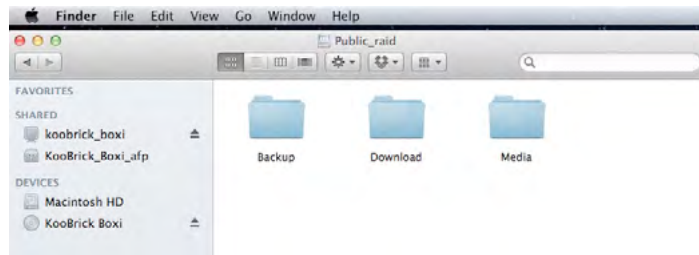Congratulations! The Storage Server has been configured successfully.

System is restarting. Please wait for 134 seconds.

[Finish]

16. Default Shared Folders

Quick Setup will automatically create some shared folders for you.
Note! All this folders are public (available for all local users).

2.4 Other configuration

In this chapter you will find some useful tip and guides for first time users.

2.4.1 Make a private share

By default all folders are accessible for all network users. It is possible to make private shares/folder that is protected by a username and password.

1. Open your web browser and enter http://boxi and click enter.

2. Username = admin and password = 1234 (or your own if you have changed it)

3. Click SETTINGS & TOOLS
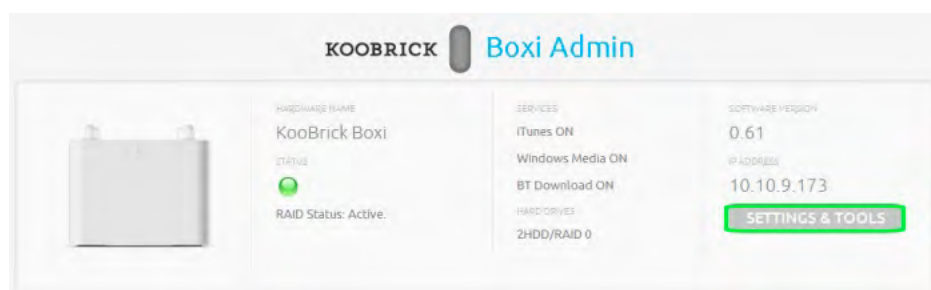
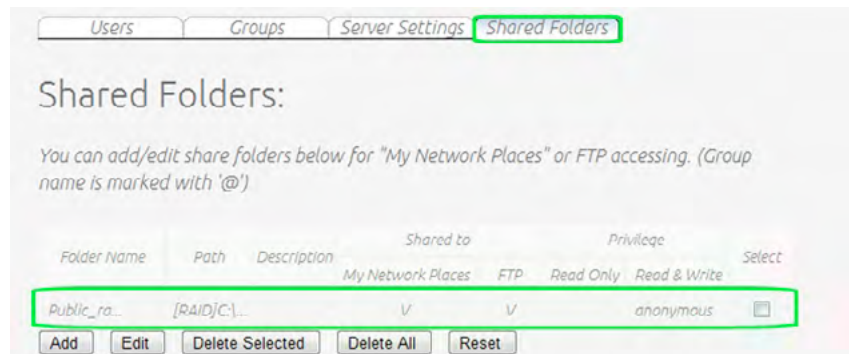4. Click File/FTP Server and then Add under Users
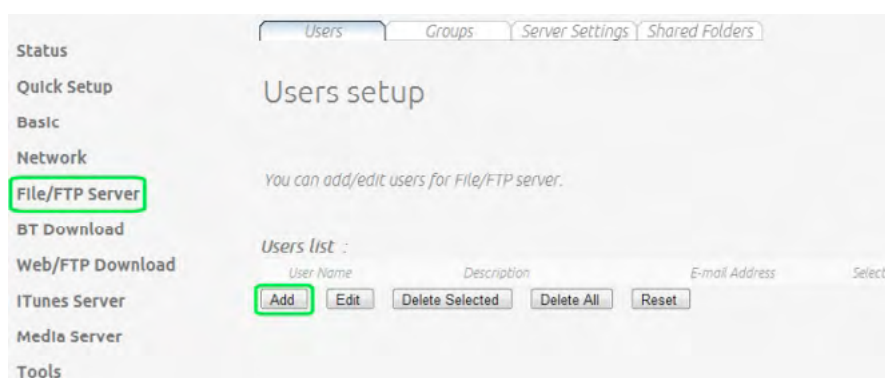
5. Enter username, description and a password for this user account.
   Click save to save settings.

To add more users just repeat this procedure.

The next step is to add shared folder(s) and set the ownership for the folder.
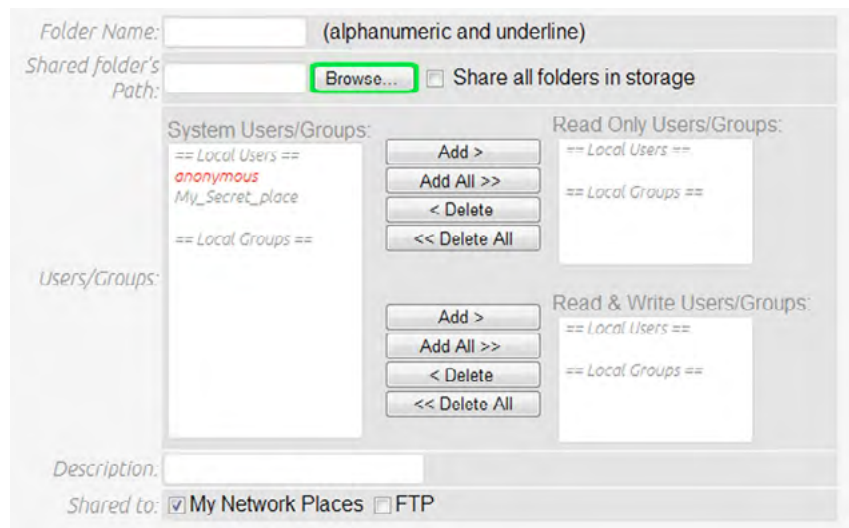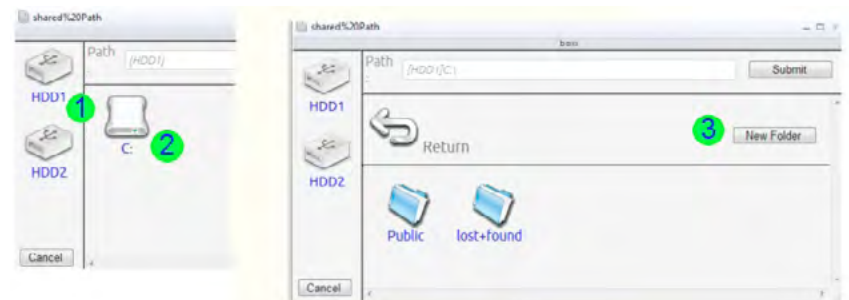
6. Click Shared Folders

Here you will see one shared folder already. This is for the Public folder.
Note! Removing this will lead to Public folder not accessible.

To add a new shared folder click Add
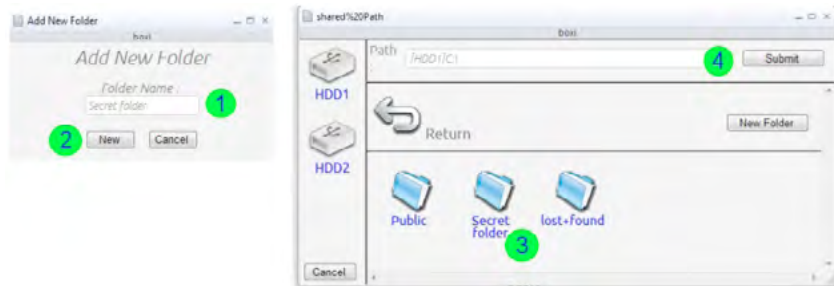
7. Click Browse button.

8. Browse your hard disk to where you want to add the new folder.
Click HDD1 (or HDD2*), C and then click New Folder button.

* HDD is only present if you have two hard disk drives and RAID is OFF.

9. Enter name of your new folder and click New.
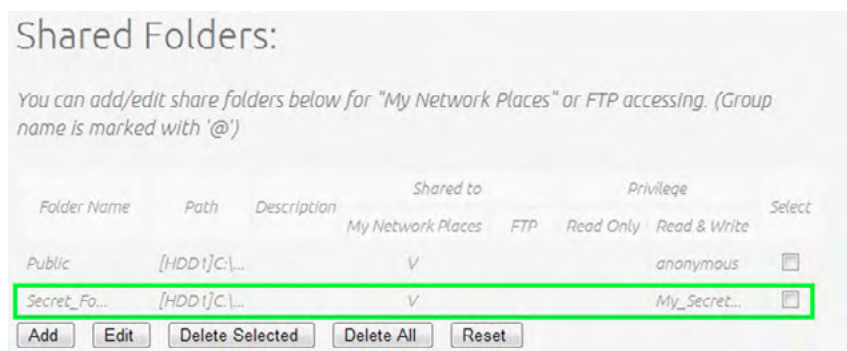   Select the new folder and click Submit.

10. Enter Folder name. Select user and then click Add. Now you will see that the user is moved to the Read&Write groups. This means the user will have read&write privilege on this folder.
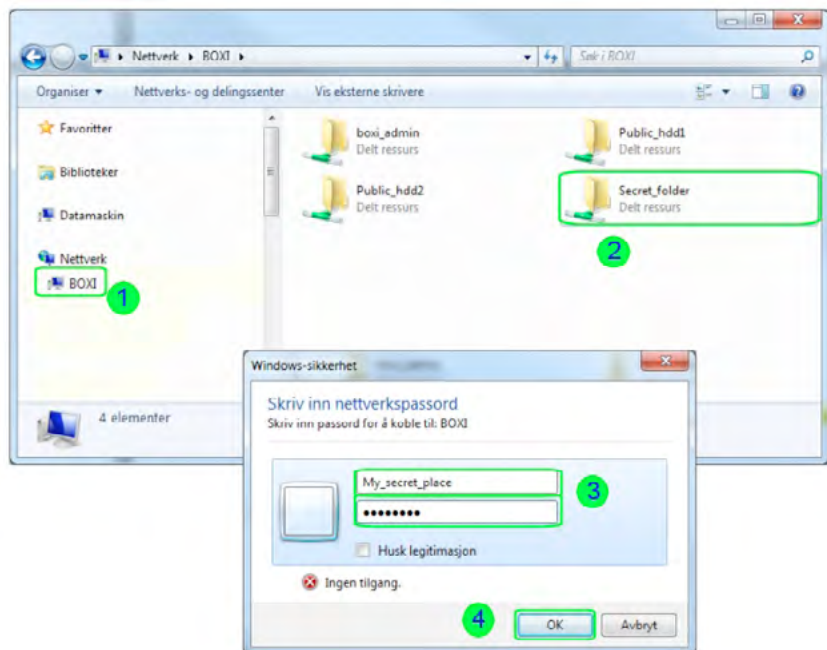
Click Save
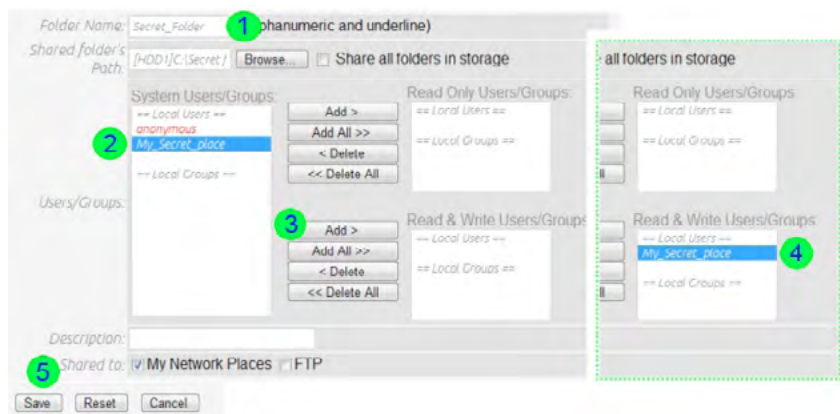
11. The new share is now created.

12. To view and use the new private folder go to My computer -> Network and click BOXI.

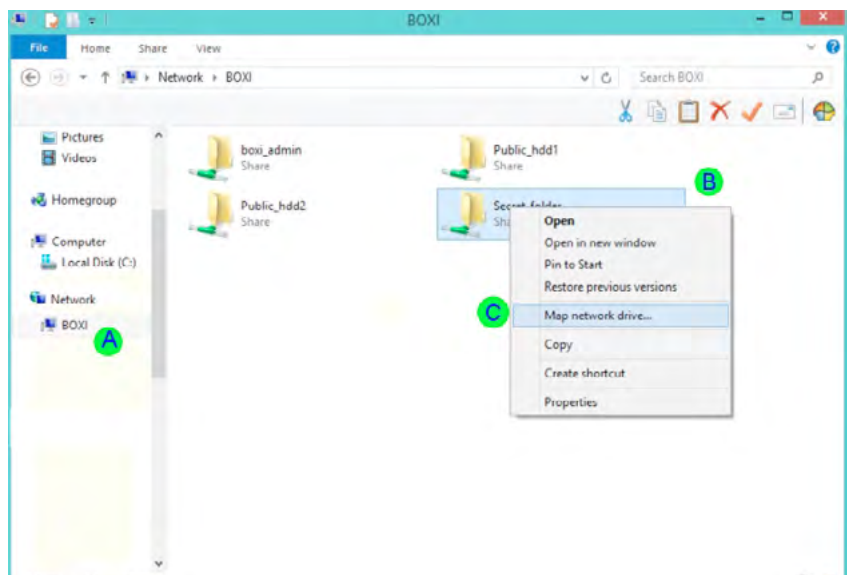Double click on the new folder and enter username/password and then click OK.

For more information about users and shares, please see chapter 5.1 and 5.2

2.4.2 Map folders (Windows)

By mapping a folder you will get quick and easy access to the Boxi folders.

1.
A) Open My Computer, Network and then select BOXI.
B) Right click the desired folder
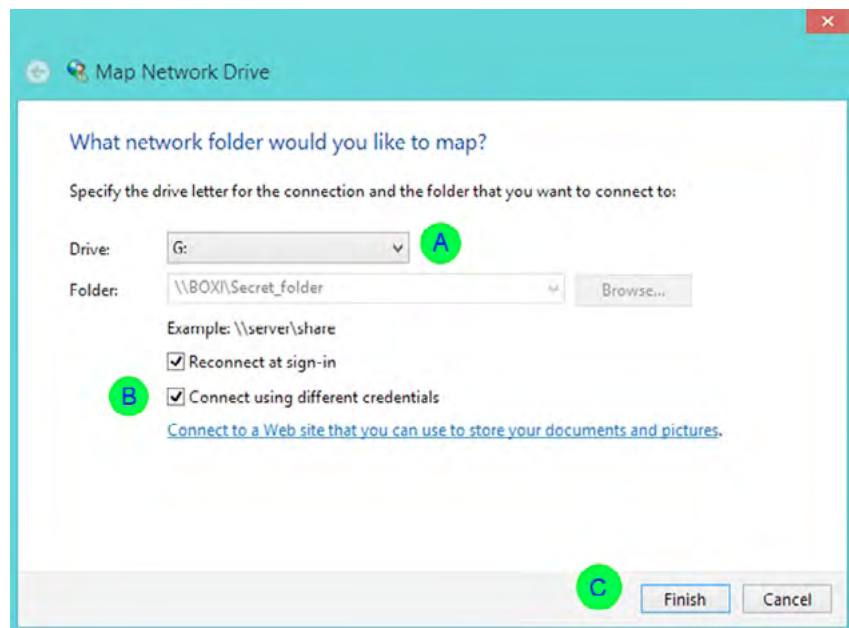C) Select Map network drive

2.
A) Select an available drive letter you want to use for this folder.
B) If the folder is protected by a username/password select "Connect using different credentials"
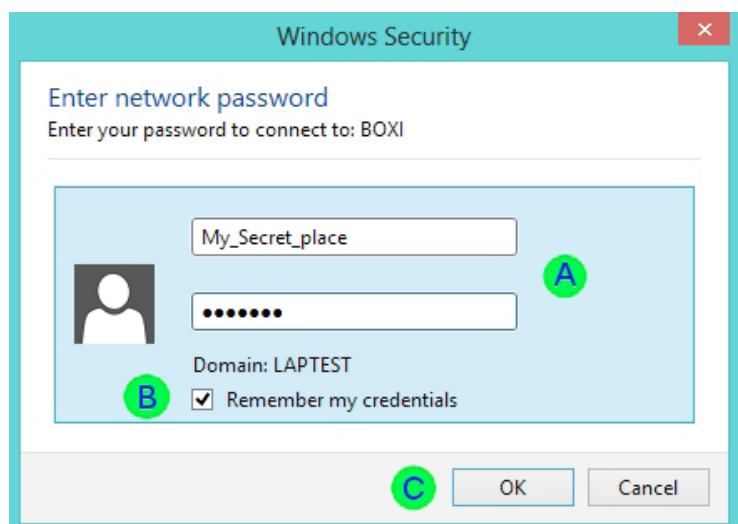C) Click Finish

3. Enter username / password

Note!! This will only pop up if the folder is protected by username/password.
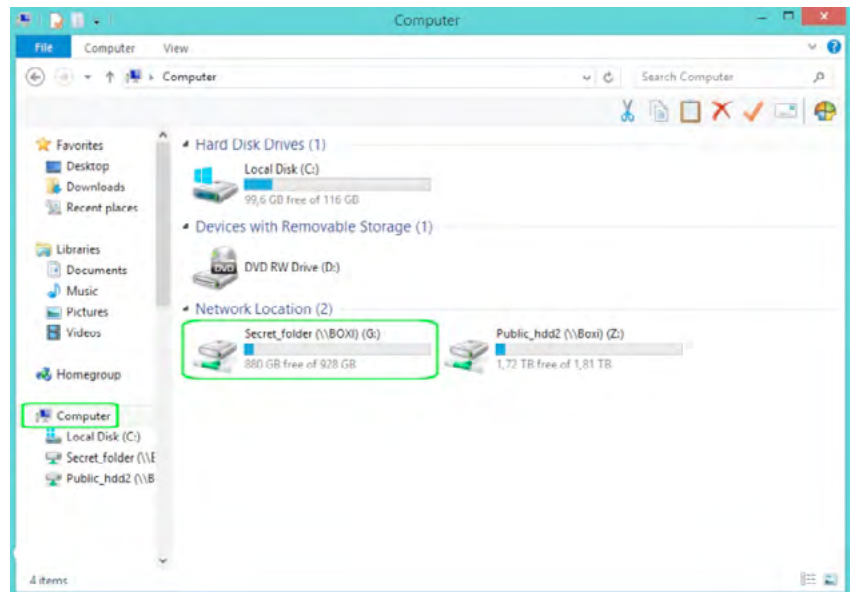A) Enter username and password
B) Enable "Remember my credentials"
C) Click OK

4. Access the folder
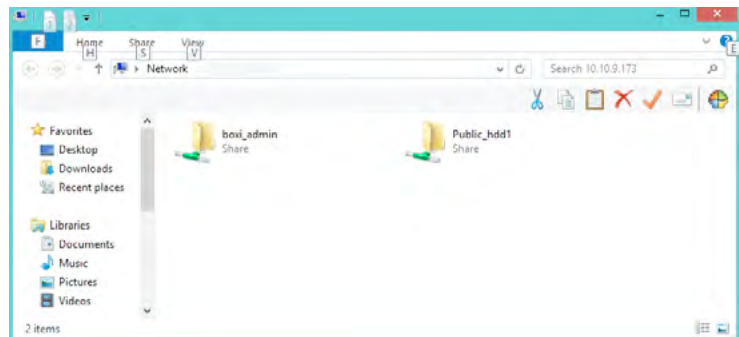If you now click Computer you should now see the newly mapped folder.

Note!! This will only pop up if the folder is protected by username/password.
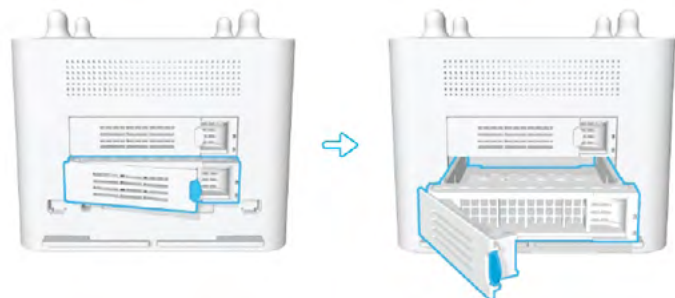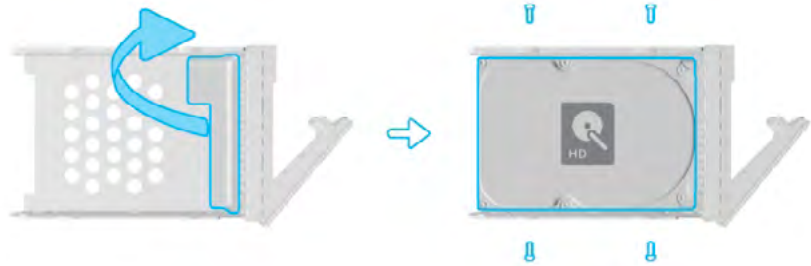A) Enter username and password
B) Click OK

2.4.3 Add a new hard disk (without RAID)

1. Pull out the available disk drawer (usually number 2) from the case of Koobrick
as shown in the setup diagram below.

2. Remove the plastic holder as shown, and fix the hard disk drive with four screws.
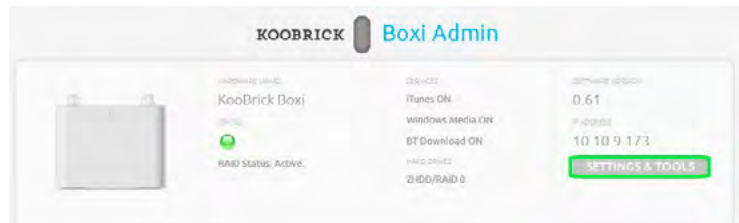

3. Push the disk drawer with hard disk drive installed back into the case of Koobrick Boxi as shown in the setup diagram below.

4. Open your web browser and enter http://boxi and click enter.
5. Username = admin and password = 1234 (or your own if you have changed it)
6. Click SETTINGS & TOOLS

.

7. Click Tools

Here you will see the new hard disk you just inserted.
To format the hard disk click "Auto Partition & Format".

> **Warning!!**
> Using auto partition & format will delete all data on the selected hard disk. Please make sure you select the correct hard disk before use the auto partition & format function.
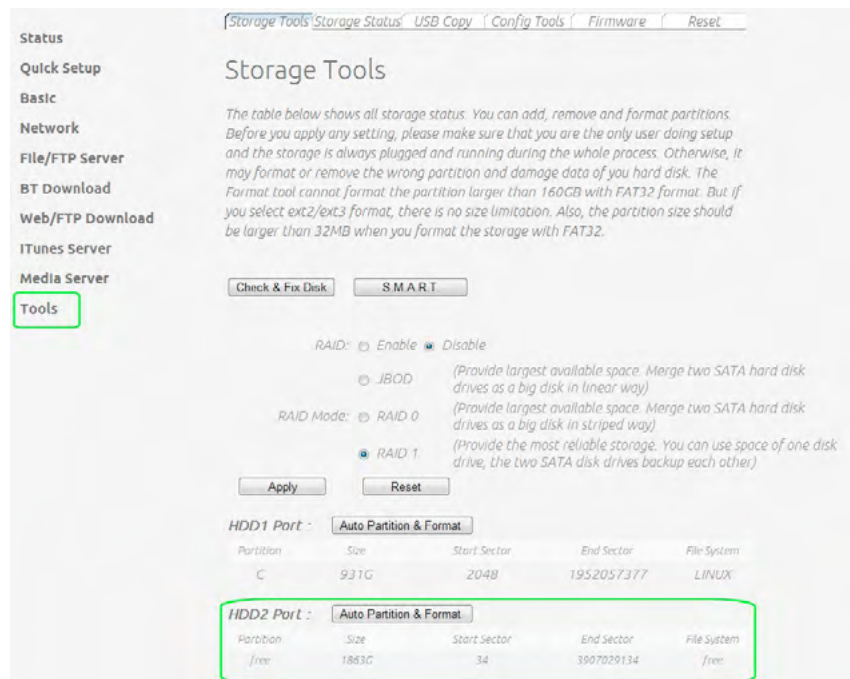
8. Click OK
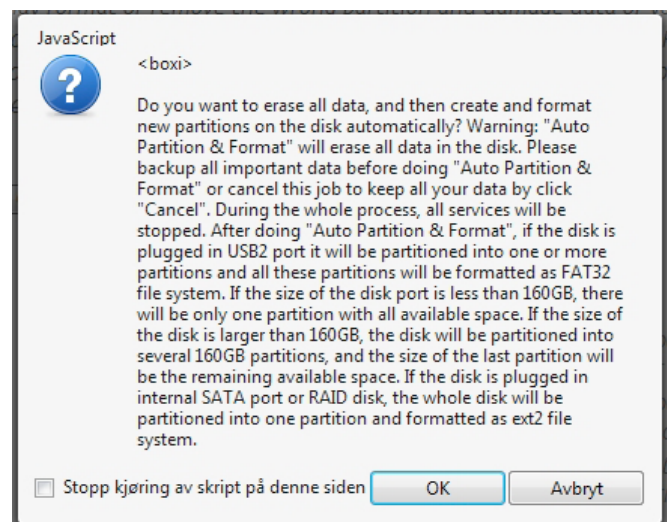
9. KooBrick Boxi will now partition and format the new hard disk drive
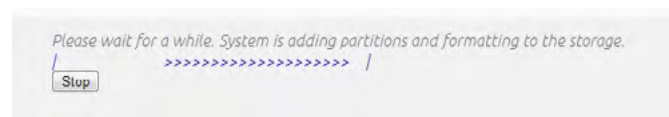
10. When partition and format is finished click OK.
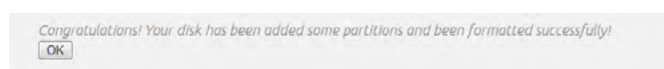
11. The new hard disk is now ready for use.
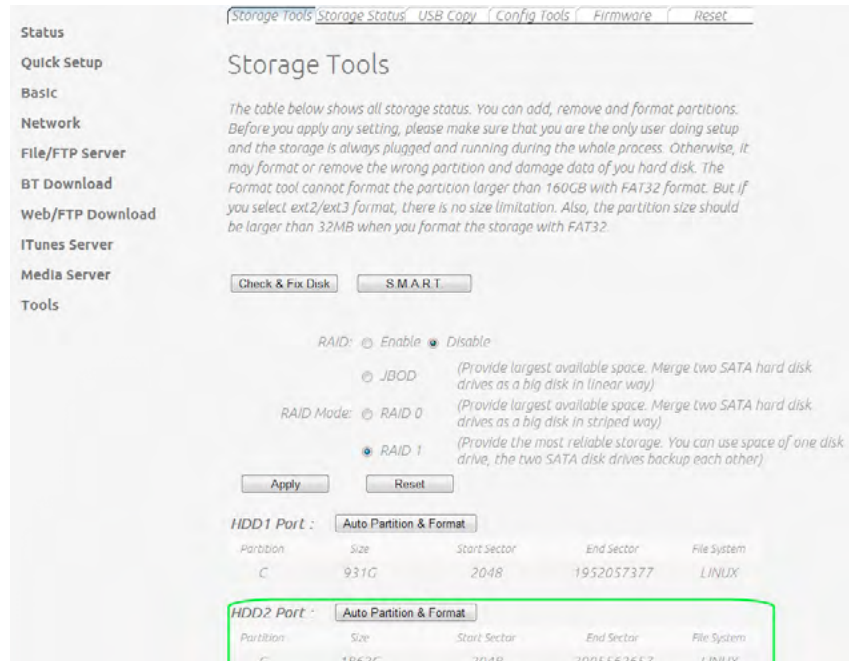
12. If you click My computer -> Network The new hard disk is now ready for use.
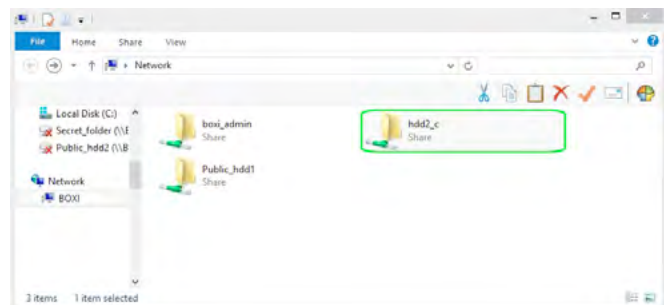
2.4.4 Add a new hard disk (with RAID)

Your KooBrick Boxi support different types of RAID. RAID is a way of storing the same data in different places (thus, redundantly) on multiple hard disks.

See section 8.1 for detailed description of the different types of RAID.

In this example we will setup KooBrick Boxi in RAID 1.

Important note! ALL DATA ON BOTH HARD DISKS WILL BE DELETED

1. Pull out the available disk drawer (usually number 2) from the case of Koobrick Boxi as shown in the setup diagram below.

2. Remove the plastic holder as shown, and fix the hard disk drive with four screws.
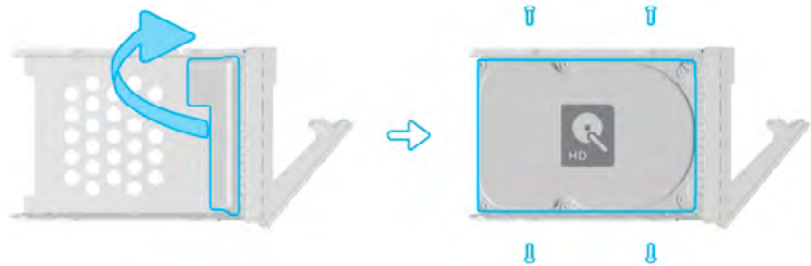
3. Push the disk drawer with hard disk drive installed back into the case of Koobrick Boxi as shown in the setup diagram below.

4. Open your web browser and enter http://boxi and click enter.
5. Username = admin and password = 1234 (or your own if you have changed it)
6. Click SETTINGS & TOOLS

7. Click Tools
Here you will see the new hard disk you just inserted.
Set RAID to Enable and select the RAID mode you want to use and then click Apply.

8. Click OK

> *HDD1, HDD2 will be partitioned and formatted, and the data in the disk will be lost. Are you sure to continue?*
>
> OK   Cancel

 9. Click OK

> *Create new RAID: Erase all data and create a new RAID 1. (If both HDD1 and HDD2 originally do not belong to any RAID 1 created by this storage server, or you have ever changed the RAID mode previously, you only can select to clear data and build a new RAID 1.)*

10. KooBrick Boxi will now partition and format the new hard disk drive.

> *Please wait for a while. System is adding partitions and formatting to the storage.*
> /   >>>>>>>>>>>>>>>>>>>> |
> Stop

11. When partition and format is finished click OK.

> *Congratulations! Your disk has been added some partitions and been formatted successfully!*
> OK

12. The RAID is now finished and ready for use.
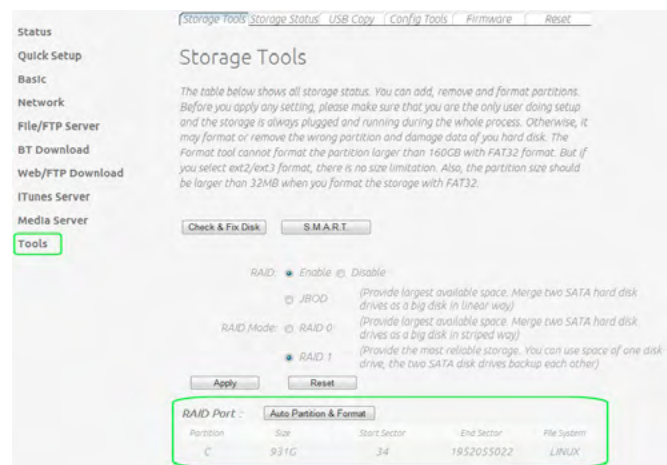
13. The two hard disks are now showed as one single device.
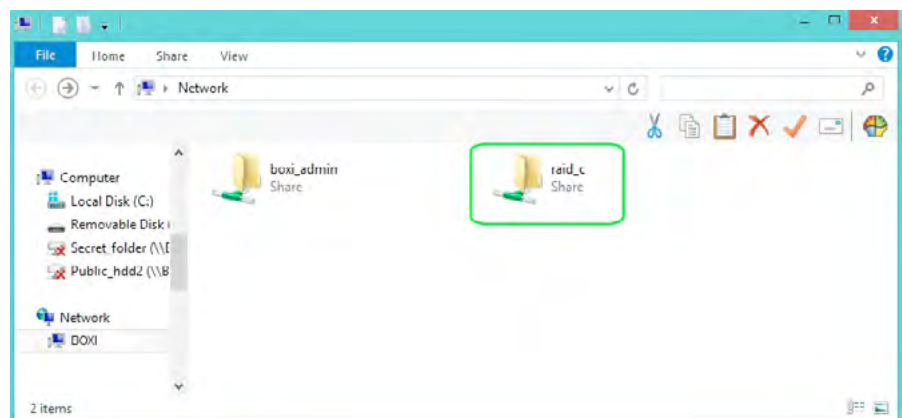
2.4.5 Download with Bittorrent function

With your KooBrick Boxi you can download bittorrent files without hav-
ing your computer on, by letting KooBrick Boxi do the download job.

1. Download the desired bittorrent file to your computer.

2. Open your web browser and enter http://boxi and click enter.

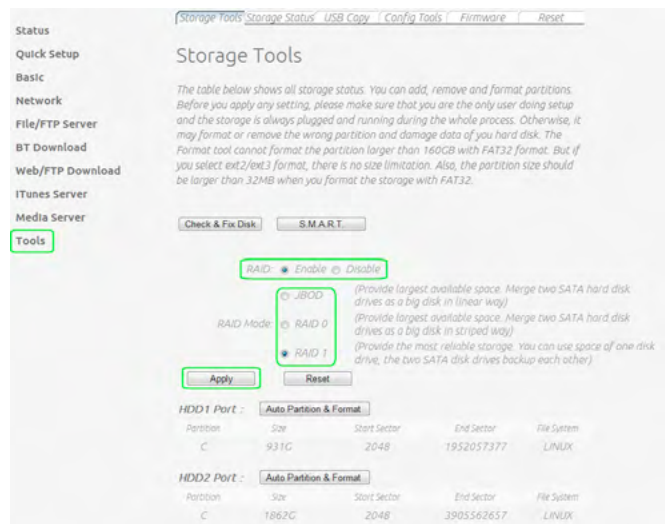3. Username = admin and password = 1234 (or your own if you have changed it)
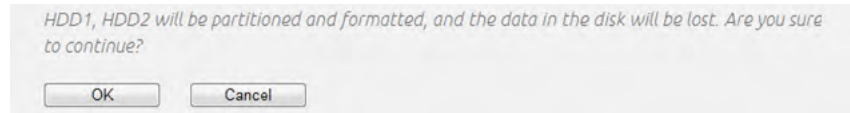
4. Click SETTINGS & TOOLS

5. Click BT Download and Add torrent
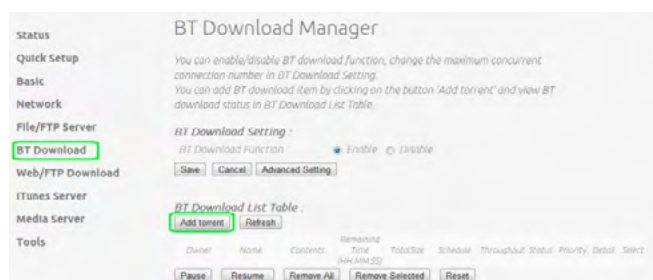
6.
A) Select PC
B) Click Browse/Velg and select the bittorrent file you want to download.
C) Click Browse and selecte the folder to save the files.
D) Click Add to start download process.
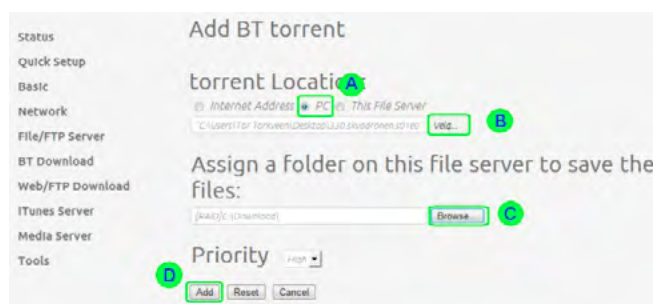
7. From the BT Download menu you can follow the download process.

8. When the file is ready downloaded you will find it in the folder you selected as download folder (step 6 B)

3. Status

Here you will find information about status/log for your Koobrick Boxi. You are also able to setup email notification.

Status
This page displays the status and basic information of the Koobrick Boxi.

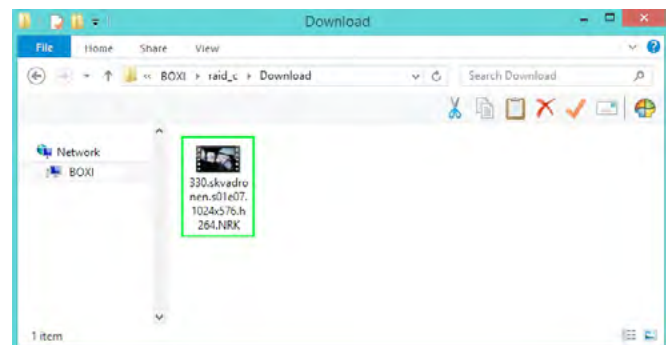| Parameter	Description
System Time	Current system time.
MAC Address	The MAC address of this Koobrick Boxi.
Firmware Version	The version of Koobrick Boxi firmware.
Server Name	The name of this Koobrick Boxi. This is the file server name that shows in My Network Places on client computer.
Workgroup	The My Network Places group this file server will join.
Description	The description of this Koobrick Boxi.
IP Address	The IP address used by this Koobrick Boxi in your network.
Subnet Mask	The IP Subnet Mask of your LAN segment.
Gateway	The gateway IP address of your network.

Log

This page displays the log information of the Koobrick Boxi.

Parameter	Description
Type	Logs are categorized into several types. Please select a suitable type of log that you want to check.
Key Words	You can enter key words here and click "Search" to let the system searches all log information that contain the key words.
Save	Click "Save" to download and save the log information into your PC.
Clear	Click "Clear" to clear the log information of the selected type.
>>	Move to the first page of log.
<<	Move to the previous page of log.

Notification

This page let you to setup e-mail account that the Koobrick Boxi will use to send notification e-mail to you when the status of the Koobrick Boxi changes. You can assign two e-mail addresses (primary and secondary) for notification. Both e-mail boxes will receive the notification messages.

Parameter	Description
E-mail Notification Function	Select to enable/disable E-mail Notification Function.
Primary E-mail	The e-mail address of the e-mail box that will receive notification e-mail messages.
Secondary E-mail	The e-mail address of the e-mail box that will receive notification e-mail messages.
SMTP Server	The address of the SMTP Server that the Koobrick Boxi will use to send notification e-mail messages. You should refer to your e-mail service provider for the correct address.
SMTP Port	The port number of the SMTP Server that the Koobrick Boxi will use to send notification e-mail messages. You should refer to your e-mail service provider for the correct port number.

Secure Connection (SSL) is required	Select it if your e-mail service provider requires it.
Authentication Required	Select it and fill in the login information below if your e-mail service provider requires you to provide user name and password when using the e-mail service.
Username	The user name required by SMTP server.
Password	The password required by SMTP server.
Confirm Password	The password required by SMTP server. It should be the same with the password above.
E-mail Subject	The subject of the e-mail notification messages sent by the Koobrick Boxi.
E-mail Language	The language of the content of the e-mail notification messages sent by the Koobrick Boxi.
Send a test message	Click this button and the storage will send a test e-mail notification message to the provided e-mail boxes. If you receive the test e-mail notification message, it means your e-mail notification settings are correct.
E-mail Notification Events	Select types of notifications that you want the Koobrick Boxi send to you by e-mail.

Click **<Save>** at the bottom of the screen to save the configurations.

3.1 Basic Configuration

The basic configurations include the Time Zone and Password setup pages.

Time Zone

The Time Zone allows this Koobrick Boxi to base its time on the settings configured here. This will affect functions such as update time of files stored in this Koobrick Boxi

Parameter	Description
Set Time Zone	Select the time zone of the country you are living. The Koobrick Boxi will set its time based on your selection.
Time Server Address	You can manually assign time server address if the default time server does not work.
Time Server Address	The Koobrick Boxi can also take Daylight savings into account. If you wish to use this function, you must check/tick the enable box to enable your daylight saving configuration (below)
Set System Date and Time	If your network is not connected to the Internet, the Koobrick Boxi will have no chance to get correct time from the time server. In this case, you can manually assign current time here.

Click **<Apply>** at the bottom of the screen to save the configurations.

Password

You can change the password required to log into the management GUI of the Koobrick Boxi. By default, the password is "1234". Please change the password as soon as possible, and store it in a safe place. Password can contain 0 to 30 alphanumeric characters, and are case sensitive.

Parameter	Description
Current Password	Enter your current password.
New Password	Enter your new password.
Confirmed Password	Enter your new password again for verification purposes.

Click **<Apply>** at the bottom of the screen to save the configurations.

Note: If you forget your password, you have to reset the Koobrick Boxi to the factory default (password is "1234") by pressing front button for 15 seconds until LED start blinking RED/BLUE. Release button and wait until Boxi have restarted.

4. Network

The Network configurations include settings like IP address and DNS settings. As default your Koobrick Boxi is set to optain ipadress automatically from your network (for example a broadband router). If you want to use a fixed ipadress for your Koobrick Boxi, please fill in all fields.

Parameter	Description
Obtain an IP address automatically	DHCP server is used to manage the IP address of a network. If you have a live DHCP server in your network and wish this Koobrick Boxi get IP address from your DHCP server, please select "Obtain an IP address automatically". **Note:** According to the settings of you DHCP server, the IP address obtained from your DHCP server may change by time.
Use the following IP address	If you want to manually assign an IP address to this Koobrick Boxi, please select "Use the following IP address" and assign IP Address, Subnet Mask and Gateway Address to the Koobrick Boxi here.
IP Address	The IP address used by this Koobrick Boxi in your network.
Subnet Mask	The IP Subnet Mask of your LAN segment.

Gateway Address	The gateway IP address of your network. Normally, it is the LAN IP address of the router you are using to access the Internet.
DNS address	Fill in the IP address of a live DNS server.
Secondary/Third DNS Address (optional)	This is optional. You can enter another DNS server's IP address as a backup. The secondary/third DNS will be used when the above DNS server fails.

Click **<Apply>** at the bottom of the screen to save the configurations.

5. File/FTP Server

The File/FTP server configurations include Users, Groups, Server settings, Shared folder and Easy Send setup.

Users (see chapter 5.1)
Users setup is used to add/edit users of File/FTP server.

Groups (see chapter 5.2)
Groups setup is used to add/edit groups of File/FTP server. You can add one or more users to a group.

Server Settings (see chapter 5.3)
This Koobrick Boxi supports CIFS (Samba) and FTP protocols. Samba lets you share files stored in the Koobrick Boxi via My Network Places. FTP lets you share files stored in the Koobrick Boxi through Internet.

Shared Folders (see chapter 5.4)
You can add/edit shared folders settings here. The shared folders can be shared by FTP and My Network Places.

5.1 Users

Users setup is used to add/edit users of File/FTP server.

Parameter	Description
Add	Click "Add" and fill the information of the **Add a New User** page to add a new user for File/FTP server.
Edit	You can select any user in Users list and click "Edit" to modify her/his profile.
Delete Selected	You can click "Delete Selected" to delete the selected users in Users list.
Delete All	You can click "Delete All" to delete all the users in Users list.
Reset	You can click "Reset" to reset selection in Users list.

Add a New User
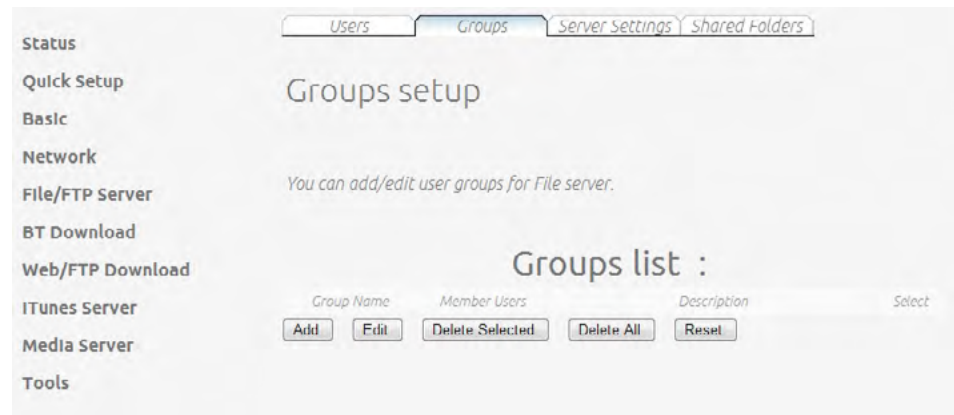
Parameter	Description
User Name	The name of this user. The allowed characters are 'a-z', 'A-Z', '0-9' and '_'. **Note:** The user name should be unique and should not be the same with any other user name and group name.
Description	The description of this user.
Password	Password The password of this user.
Confirm password	Re-type the password of this user for confirmation.
E-mail Address	The e-mail address of this user. The Koobrick Boxi will send some messages to this user by e-mail if necessary.

Click **<Save>** at the bottom of the screen to save the configurations.

> Note: The max number of users supported in File/FTP server is 32.

5.2 Groups

Groups setup is used to add/edit groups of File/FTP server. You can add one or more users to a group.

Parameter	Description
Add	Click "Add" and fill the information of the **Add a New Group** page to add a new group for File/FTP server.
Edit	You can select any group in Groups list and click "Edit" to modify its profile.
Delete Selected	You can click "Delete Selected" to delete the selected groups in Groups list.
Delete All	You can click "Delete All" to delete all the groups in Groups list.
Reset	You can click "Reset" to reset selection in Groups list.

Add a New Group

Parameter	Description
Group Name	The name of this group. The allowed characters are 'a-z', 'AZ', '0-9' and '_'. **Note:** The first character of group name should be 'a-z' or 'AZ'. **Note:** The group name should be unique and should not be the same with any other user name and group name.
Description	The description of this group.
Select Authorized Users	Select the users that you want to add to this group by selecting the check on the right.

Click **<Save>** at the bottom of the screen to save the configurations.

> Note: The max number of groups supported in File/FTP server is 12.

5.3 Server Settings

This Koobrick Boxi supports CIFS (Samba) and FTP protocols. Samba lets you share files stored in the Koobrick Boxi via My Network Places. FTP lets you share files stored in the Koobrick Boxi through Internet.

> Note: The maximum file size of a single file is 2GB if the partition type is FAT16; the maximum file size is 4GB if the partition type is FAT32 or NTFS; the file size can be larger than 4GB if the partition type is EXT2 or EXT3.

My Network Places

Parameter	Description
Name	The file server name that shows in My Network Places on client computers.
Workgroup	The My Network Places group this file server will join.
Description	A brief description of this file server. This string will be shown at the detailed information field of My Network Places.
Recycle Bin	You select to enable/disable Recycle Bins function here. When you delete a file in a shared folder which supports Recycle Bin vi My Network Places, the deleted file will be kept in the Recycle Bin and you still can read it. If you delete the file in the Recycle Bin, the file will vaporize permanently. at the detailed information field of My Network Places.

FTP Settings

Parameter	Description
Max Users	Set the maximum concurrent users for the FTP server.
Idle Time	Set the time that FTP server will wait before disconnecting a FTP client when it is inactive.
FTP Client Language (Encoding)	Select a language (or encoding) used by the FTP clients. If the encodings of FTP client and server are different, the file transfer will fail when there is any double byte word in the folder name or file name.
Security (SSL/TLS)	A secured FTP connection can be protected by SSL/TLS encryption. If you select "No", all FTP connections are not protected. If you select "Only allow FTP clients with SSL/TLS", then only protected FTP connection is allowed. Any client cannot create FTP connection without SSL/TLS protection. If you select "Allow FTP clients with or without SSL/TLS", then the FTP server will receive connection from clients in both ways.

Click **<Save>** to save the configurations.

5.4 Shared Folders

You can add/edit shared folders settings here. The shared folders can be shared by FTP and My Network Places.

Parameter	Description
Add	Click "Add" and fill the information of the **Add/Edit Shared** Folder page to add a new shared folder.
Edit	You can select any shared folder in Shared Folders list and click "Edit" to modify its setting.
Delete All	You can click "Delete All" to delete all the shared folders in Shared Folders list.
Delete Selected	You can click "Delete Selected" to delete the selected shared folders in Shared Folders list.
Reset	You can click "Reset" to reset selection in Shared Folders list.
Empty the Recycle Bins of Selected Shared Folders	After clicking this button, the files in the Recycle Bins of the selected shared folders will vaporize permanently. **There will be no way to reclaim the deleted files.**
Empty the Recycle Bins of All Shared Folders	After clicking this button, the files in the Recycle Bins of the all shared folders will vaporize permanently. **There will be no way to reclaim the deleted files.**
New Storage Default Sharing Policy	You can set a default sharing policy (Read & Write, Read Only or Not to Share) to any USB storage which doesn't have any shared folder yet. The whole disk of the new storage will be shared. All users (including anonymous user) have the same privilege to access the new storage.

Click **<Save>** at the bottom of the screen to save the configurations.

Note: The max number of shared folders supported in the Koobrick Boxi is 100.
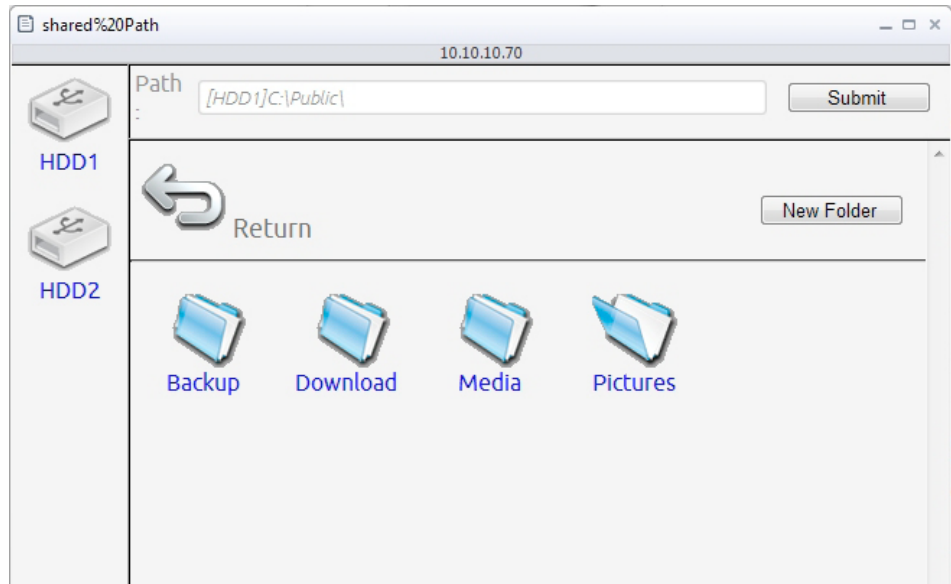
Add/Edit Shared Folder

Parameter	Description
Folder Name	The name for shared folder that shows in My Network Places on client computer.
Shared Folder's Path	Click on "Browse" to select the folder to be shared. If you select "Share all folders in storage", the Koobrick Boxi will create a share item for each partition of all currently attached storages. The share name of each share item consists of three parts, assigned folder name, disk name and partition name, and the three parts are separated by "_". There are 3 possible disk names, HDD1, HDD2, RAID, USB1. For example, if you add a shared folder by assigning "All" as the folder name and select "Share all folders in storage", and now you have an internal SATA hard disk drive with one partition and one USB hard disk drive with 3 partitions attached on USB. Then after you create the shared folder, there will be 4 share items created with the name of "All_HDD1_C", "All_USB1_C", "All_USB1_D", "All_USB1_E".
Users/Groups	You can assign access privilege of the shared folder to all users and groups here. There are three users/groups lists. The left list contains all users and groups that have not been assigned privilege on this shared folder. The upper right list contains all users and groups that only have read privilege on this shared folder. The lower right list contains all users and groups that have read and write privileges on this shared folder. If you assign "Read Only" or "Read & Write" privilege to "anonymous", then all users can access this folder without password.
Description	Description The comments or descriptions for this share folder.
Shared to	You can select to share the folder vi My Network Places and/or FTP.

Click **<Save>** at the bottom of the screen to save the configurations.

Browse Dialog

When you click the "Browse" button, you can see the following popup screen that shows all the attached storage devices (including the internal SATA hard disk drive and external USB mass storage devices). Please select a storage device from left panel, the right bottom panel will show the folders in this storage device. Choose the folder you want to share, and click "Submit" to share the selected folder. You can also click "New Folder" to create a new share folder.

Note: Only the folders in the storage devices will be shown as icons in Browse Dialog, because the unit of sharing policy is restricted to folders, not files.

Visit shared folders

When you visit the Koobrick Boxi by Windows Explorer of, you can see all the shared folders. You only can enter the shared folders that your account has privilege. Other than the shared folders you set here, there are some default shared folders whose names have the prefix "hdd", "usb" or "raid". For example "hdd1_c", "hdd1_d", "hdd2_c", "usb1_c", "raid_c"...... These folders are automatically created by the system. The system creates shared folder for all partitions of all the hard disk drives plug into the storage server. These folders only can be accessed by "admin" management account.
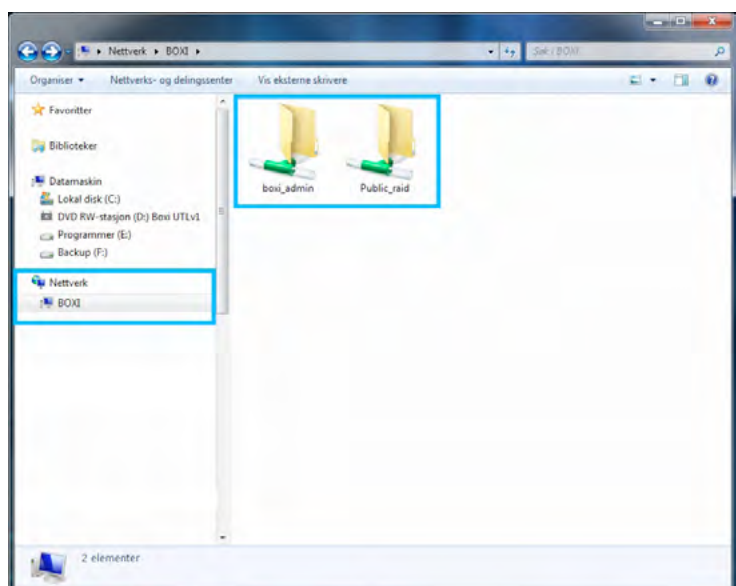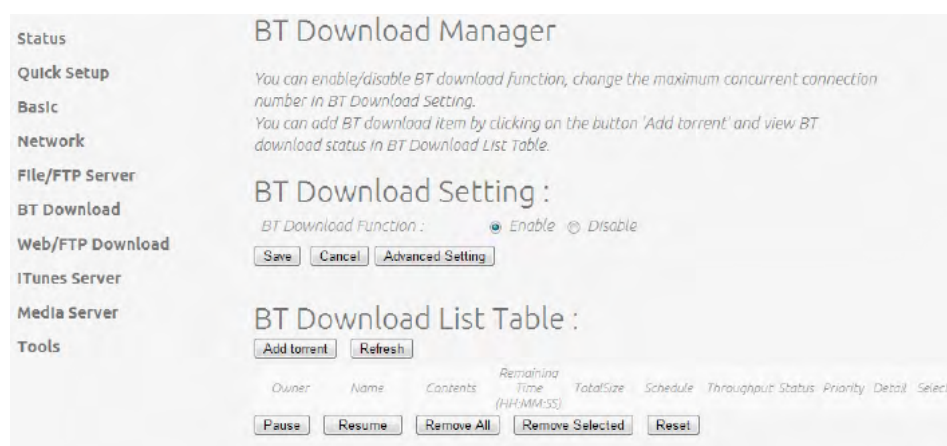
6. Boxi Download Manager

Koobrick Boxi support download trough BitTorrent peer-to-peer file download function. You can let Koobrick Boxi download files via BitTorrent protocol without switching your computer on. You can also see all downloading BT items here.

Please make sure that the Koobrick Boxi has enough remaining storage space to save the download files. Except for this Web GUI, you also can use the Windows-based Boxi Download Manager utility to manage the download items. Please refer to Chapter 12

> Note: Due to the download mechanism used by BitTorrent, it's not recommended to use USB flash disks to save the files you wish to download.

Parameter	Description
BT Download Function	You can enable or disable BT Download Function here.
Advanced Setting	Click this button and **Advanced Setting** page will show.
Add Torrent	Click this button to add a new torrent (files with .torrent extension) file, and the Koobrick Boxi will start to download the files. You'll be prompted to provide the location of .torrent file (See the detailed descriptions below)
Refresh	Click this button to get latest status of BT Download.
Pause	Select one or more downloading BT items in the list, and click this button to pause them.
Resume	Select one or more suspended BT items in the list, and click this button to resume downloading.this button to pause them.

Remove All	Remove all BT items from the list.
Remove Selected	Remove selected BT items from the list.
Reset	Deselect all selected BT items in the list.

Click **<Save>** button to save the configurations.

> Note: The max number of BT download items is 32.

Add torrent

After you click 'Add Torrent' button, you'll be prompted to provide the location of a torrent file and the folder to save the downloaded files.

Parameter	Description
Torrent Location	Please specify the location of .torrent file. You can provide the Internet URL of a .torrent file (for example: http://www.torrentfile.com/files/movie.torrent), upload a .torrent file from your PC, or browse and select a .torrent file stored in the Koobrick Boxi. If you select "Internet Address", please fill the URL address of torrent file, or you can just copy the URL address of torrent file from web browser; If you select "PC" or "This File Server", click "Browse" and a file browsing window will popup, and you can select the torrent file in your PC or the Koobrick Boxi.
Assign a folder on this file server to save the files	Please click 'Browse' button and a file browsing window will popup. Please specify the folder you wish to save downloaded files. (You can create a new folder by clicking "New Folder" button in file browsing window).

Priority	Please assign a priority level to this BT download item. Available options are 'VIP', 'High', and 'Low'. The priority will affect the order of BT download. For example, if you set the maximum active BT download item number to be 5 in the **Advanced Setting** page, only 5 active BT Download items can be downloaded at the same time. If you have more than 5 BT Download items, every BT Download item with lower priority will be downloaded only when no more than 4 higher priority active BT download items are downloading.
Add	Click this button to add the BT Download job to the list.
Reset	Reset all fields in this page to default value.
Cancel	Cancel adding a new BT job and return to previous page.

Advanced Setting

After you click "Advanced Setting" button, the **BT Download Advanced Setting** page will show. You can set the port number used by BT, bandwidth control, maximum active download number and enable/disable DHT here.

Parameter	Description
Listening ports used for incoming TCP/UDP connection	The port range BT listening to during downloading. If you are using a NAT router to access the Internet, let the router forwarding these ports to the IP of Koobrick Boxi. It will increase the BT download speed.
Maximum download rate per torrent	The maximum download rate per torrent in Kbytes per second. Enter "0" if you do not want to limit the download speed of BT.

Maximum upload rate per torrent	The maximum upload rate per torrent in Kbytes per second. Enter "0" if you do not want to limit the upload speed of BT.
Maximum number of active downloads	The maximum number of active torrents that can be downloaded at the same time. If you add more download items, some items have to wait in turn.
Maximum concurrent connection number per torrent	The maximum number of connections can be used to download a BT download item at the same time.
DHT network	Enable DHT network would let the BT have a chance to find more peers to download even when no tracker servers are available.

7. WEB/FTP Download

Koobrick Boxi supports downloading file from Web and FTP server, so you can download large file from Web or FTP server without keeping your computer switched on.

Except for this Web GUI, you also can use the Windows-based Download Manager utility to manage the download items. Please refer to Chapter 12.

> Info: Before a file can be downloaded and saved, please make sure the free space of the storage is enough.

> Info: Only 5 active Web/FTP Download items can be downloaded at the same time. If you have more than 5 Web/FTP Download items, some items have to wait in turn.

Parameter	Description
Web/FTP Download Function	You can enable or disable Web/FTP Download Function here. Click "Save" to apply changes or "Cancel" to discard the change you made.
Internet Address	Please specify the URL of file you wish to download from Web or FTP server. For example: ftp://ftp.fileserver.com/files/download.zip or http://www.downloadfile.com/files/download.zip
URL Encoding	The URL encoding method of the download source Web/FTP server. The Web/FTP server will encode double-byte characters of URL. If the URL encoding method assigned is not the same with the Web/FTP server, download will fail.
Save As	Please specify the location you wish to save downloaded file. Click "Browse" button to select the folder you wish to save the file.

User Name	This field is optional. Please input the server's username here if the server requires it.
Password	This field is optional. Please input the server's password here if the server requires it.
Add	Click this button to add the download job above to the download list and start downloading.
Reset	Reset all fields in this page to default value.
Refresh	Click this button to get latest status of Web or FTP download.
Pause	Select one or more downloading items in the list, and click this button to pause them.
Resume	Select one or more paused items in the list, and click this button to resume downloading.
Remove All	Remove all items from the list.
Remove Selected	Remove selected item from the list.
Reset	Deselect all selected items in the list.

Info: The max number of Web/FTP download items is 32.

8. Tools

Tools menu provides several management tools, including Storage Tools, Storage Status, USB Copy, Config Tools, Firmware Upgrade and Reset.

Storage Tools (see chapter 8.1)
You can use the Storage Tools to manage the partition and format of the attached storage devices. It also allows you to build RAID 0, JBOD or RAID1 if you have two internal SATA hard disk drives installed.

Storage Status (see chapter 8.2)
This Page shows the status of all attached storage devices.

USB Copy (see chapter 8.3)
USB Copy tool allows you to copy the content of one external USB mass storage device to internal hard drives.

Configuration Tools (see chapter 8.4)
The Configuration Tools allow you to save (backup) the Koobrick Boxi's current settings.

Firmware Upgrade (see chapter 8.5)
This tool allows you to upgrade the Koobrick Boxi's system firmware.

Reset (see chapter 8.6)
You can reset the Koobrick Boxi's system when there's something wrong with the Koobrick Boxi.

8.1 Storage Tools

You can use the Storage Tools to manage the partition and format of the attached storage devices. It also allows you to build RAID 0, JBOD or RAID1 if you have two internal SATA hard disk drives installed.
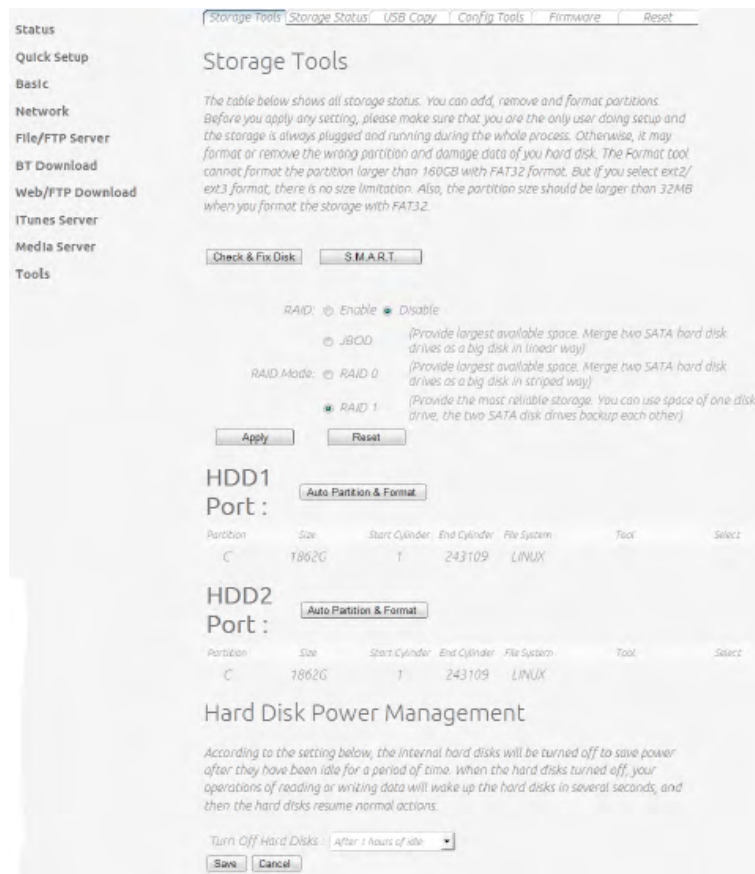
RAID 0 - helps to merge two hard disk drives together in striped way. It simulates a big hard disk drive and the available space of the virtual big hard disk drive is the sum of the two physical internal SATA hard disk drives. RAID 0 only works when both internal SATA hard disk drives are healthy. If any one of the two internal SATA hard disk drives fails in RAID 0 mode, you will lose whole data and it is unrecoverable.

RAID 1 - maintains two copies of your data in the two internal SATA hard disk drives. Each disk drive keeps one copy. So RAID 1 still works correctly if just only one of the two internal SATA hard disk drives fails. Because RAID 1 keeps two copies of whole data, the disk space utilization is only 1/2. RAID 1 simulates a stable hard disk drive and the available space of the virtual stable hard disk drive is the size of the smaller physical internal SATA hard disk drive if the sizes of the two internal SATA hard disk drives are different (The additional space of the larger hard disk drive is useless).

JBOD - helps to you merge two hard disk drives together in linear way. It simulates a big hard disk drive and the available space of the virtual big hard disk drive is the sum of the two physical internal SATA hard disk drives. JBOD only works when both internal SATA hard disk drives are healthy. If any one of the two internal SATA hard disk drives fails in JBOD mode, you will lose whole data and it is unrecoverable.

> Note: When you use the Storage Tools to partition or format the hard disk drive (no matter internal SATA hard disk drive or external USB hard disk drive), the system will stop all service first. So please make sure that you have finished all file transfer before using Storage Tools.

> Note: If you want to build RAID for the Koobrick Boxi, it is strongly suggested that the two internal SATA hard disk drives are the same brand and model.

Parameter	Description
Check & Fix Disk	Click "Check & Fix Disk" to let the Koobrick Boxi check and fix the format of the file system of the storage devices. Please refer to the section "Check & Fix Disk" for details.
S.M.A.R.T.	Click "S.M.A.R.T." to let the Koobrick Boxi check the healthiness of hard disk drives supporting S.M.A.R.T. function. Please refer to the section "S.M.A.R.T." for details.
RAID	If you have two internal SATA hard disk drives installed in this Koobrick Boxi, you can select "Enable" to enable the RAID function. You also can select "Disable" to disable the RAID function and let the two internal SATA hard disk drives work independently. If you only have one internal SATA hard disk drives installed in this Koobrick Boxi, you cannot enable the RAID function.
RAID Mode	You can select to let the Koobrick Boxi build RAID 0 or RAID 1 on the two internal SATA hard disk drives.
Auto Partition & Format	By clicking this button, the system will partition and format the attached storage device automatically. Please refer to the detail descriptions below.

Fix RAID	The "Fix RAID" button only appears when the Koobrick Boxi finds that RAID is not working well due to some problem. If any one of the internal SATA hard disk drive fails, the front LED will start blinking RED. Refer Function and LED indication table (Chapeter Understanding your KooBrick Boxi). After you clicking the "Fix RAID" button, you should shut down and power off the Koobrick Boxi, and then replace any failed hard disk drive with a good one. When you power on the Koobrick Boxi again, the Koobrick Boxi will try its best to fix the RAID. **Note:** It is possible to fix the RAID and keep all data correctly if you use RAID 1 and just only one of the two internal SATA hard disk drives fails and you have replaced the failed hard disk drive with a good one and the space of the new hard disk is not smaller than the failed one. **Note:** If you replace the failed hard disk drive with a smaller hard disk drive when you try to fix a RAID in RAID 1 mode, part of the data previously stored in the RAID may be lost. **Note:** It is IMPOSSIBLE to fix the RAID and keep all data correctly if you use RAID 0 and the RAID's failure is due to one of the two internal SATA hard disk drives fails. The Koobrick Boxi just clears all old data and rebuilds a new RAID when you click "Fix RAID" button in RAID 0 mode. **Note:** In RAID 1 mode, if you do not follow the normal shut down procedure and just directly power off the Koobrick Boxi, sometimes, it may make the RAID in an inconsistent state and the Koobrick Boxi will ask you to fix RAID. In this situation, you can click "Fix RAID" button, shut down Koobrick Boxi and then start Koobrick Boxi again. The RAID will work well again. If the Koobrick Boxi is still asking you to fix RAID, it may due the some internal SATA hard disk drive failure. You have to follow the fix RAID procedure described above to replace the failed hard disk drive.
Tool	You can format the attached storage device by this tool. The Storage Tools supports FAT16, FAT32, EXT2 and EXT3 format. The format may take several minutes to finish, depends on the size of the partition. **Note:** The data originally stored in the partition will be erased after the format even you stop it before the job is finished.
Add a Partition	By clicking "Add" button, you can launch the "Add a Partition page" to add a new partition in the attached storage device.
Remove Selected Partitions	You can click "Remove Selected Partitions" button to remove the selected partitions in the attached storage device. **Note:** The data originally stored in the partitions will be erased after they are removed.

Remove All Partitions	You can click "Remove All Partitions" to remove all the partitions in the attached storage device. Note: The data originally stored in the partitions will be erased after they are removed.
Reset	You can click "Reset" to reset selection in partition list.
Turn Off Hard Disks	If you select "Never" then Hard Disk Power Management function is disabled. If you select an idle time, then Hard Disk Power Management function is enabled and the Koobrick Boxi will turn off hard disk drive to save power after the hard disk idle timeout. When your hard disk drive is sleeping, any operation which requires reading or writing hard disk drive will make the Koobrick Boxi wake up the hard disk drive in a few seconds and the hard disk drive can work normally as usual.

Note: If you disabled the RAID previously and now want to enable it again. The old data can be kept correctly after you re-enable the RAID only when all the following conditions hold. Otherwise, you can only choose to create a new RAID and erase old data stored in the two internal SATA hard disk drives:

* The RAID mode before you disabled the RAID and the RAID mode that you want to enable now should be the same.

* The two current internal SATA hard disk drives are the same as the two internal SATA hard disk drives used before you disabled the RAID.

* You never change any data of both internal SATA hard disk drives after you disabled the RAID and before you enable the RAID.

Restore RAID

When your Boxi is configured with two hard disk drives and these are set up in RAID1 mode you can recover your files / data if one of the drives will become defective.

Note: If your Boxi is set up in RAID 0 or JBOD mode, your data can't be restored.

As an indication of a possible RAID failure the front button light is blinking fast RED. Follow the description below to find out what is wrong with your Boxi and how to resolve the problem.
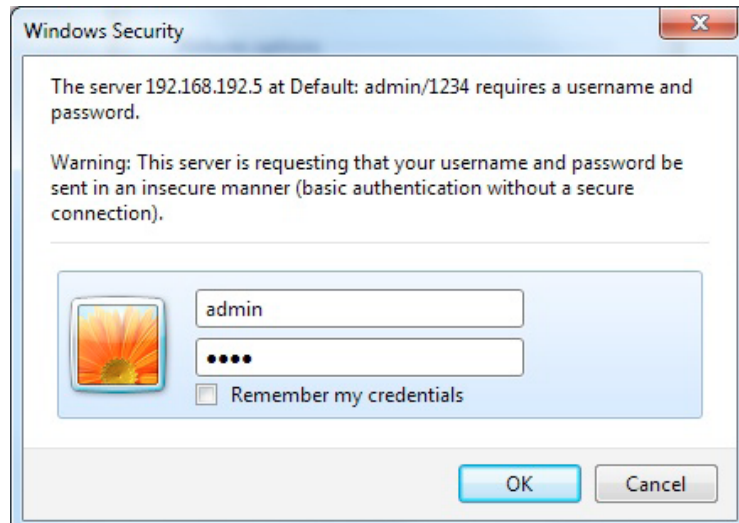
1. Start Boxi Admin from KooBrick Boxi program group (Windows users). Mac users run the MacBoxiFinder from the accompanying Boxi CD and access the Boxi Admin Panel.
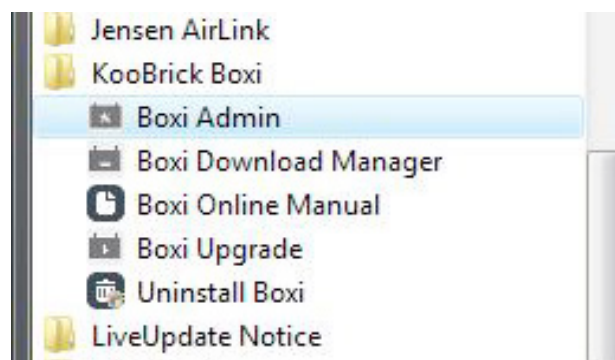
2. Enter your username and password to log into Boxi.

Boxi username: admin
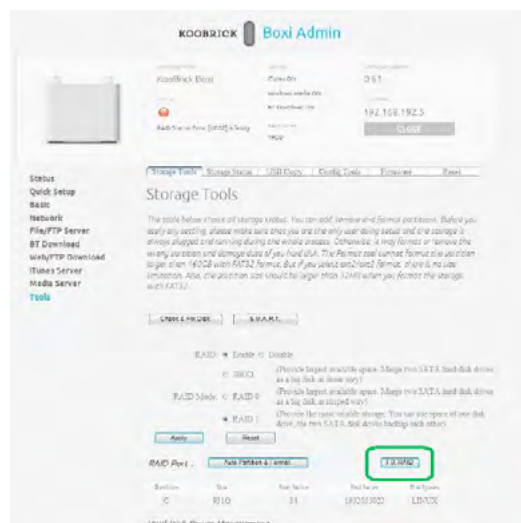Boxi default password: 1234

3. The overview shows information about the Boxi failure.
The example below is displayed when there has been a failure in RAID configuration, and in this particular case the second hard disk drive (HDD2) is defective.

4.   Click SETTINGS & TOOLS and then Tools in the left hand menu.
5.   To solve the RAID problem click the FIX RAID button.

6. Information about RAID recovery is displayed. Read the information carefully and confirm that you want to continue by clicking OK.

7. Turn off your Boxi and replace the defective hard drive.

Note! To ensure that no data get lost the new hard drive must have same size as the defective one.

8. Turn on your Boxi.
9. After Boxi has started the RAID error has been fixed.

Check & Fix Disk

Check & Fix Disk can check and fix the file system error of the hard disk drive.
Before start up, a warning window will pop-up to inform you that this action may damage your data. Click "OK" to continue.

Note: When the Koobrick Boxi is doing Check & Fix Disk for your hard disk drive, the hard disk drive is occupied. All the services of the Koobrick Boxi will be stopped.

Note: Check & Fix Disk only supports internal SATA hard disk drives.
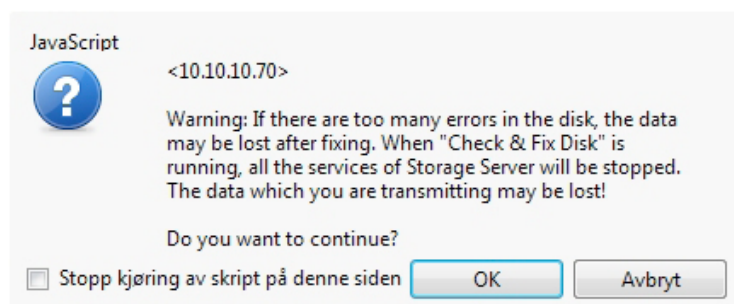
You can select the partition and schedule a check and fix job here.

Parameter	Description
Select Partitions	Select all partitions you want to check.
Run Time	You can select "Now" to let the check start immediately. You also can select "Later" and assign a schedule time below.
Action	If you select "Check errors", the Koobrick Boxi only checks for file system errors. The Koobrick Boxi will not fix the error and the data will not be modified. So it is a save operation. If you select "Check errors and fix them", the Koobrick Boxi will try to fix errors found in the file system. If there are too many errors in the file system and the Koobrick Boxi fails to fix all of them, some of your data may be lost.
Added Task	It shows the added check and fix task.
Delete the task	Click "Delete the task" to delete the check and fix task.
Apply	Click "Apply" to submit the check and fix task.
Report	Click "Report" to read the reports of check and fix tasks.

S.M.A.R.T.

S.M.A.R.T. (self-monitoring, analysis, and reporting technology) can monitor the healthiness of your hard disk drive. It will try to predict the failure of your hard disk drive. If the healthiness of the hard disk drive is BAD, it does not mean your hard disk is not working well. But there is high possibility that your hard disk drive will fail soon, so you'd better backup all data on the hard disk drive and change a healthy hard disk drive as soon as possible.

Note: To use S.M.A.R.T., your hard disk drive has to support S.M.A.R.T.

Parameter	Description
Advanced Setting	Click "Advanced Setting" to do the S.M.A.R.T. advanced setting. Please refer to the section "S.M.A.R.T. Advanced Setting".
S.M.A.R.T. Self-Test	Click "S.M.A.R.T. Self-Test" to start a hard disk drive self test. Please refer to the section "S.M.A.R.T. Self-Test". Note: Doing S.M.A.R.T. Self-Test will take several minutes and will make all services of the Koobrick Boxi stop.
Current Disk	Select the hard disk drive to check the status.

S.M.A.R.T. Advanced Setting
S.M.A.R.T. advanced setting let you assign notification methods when the healthiness of hard disk drive is BAD.
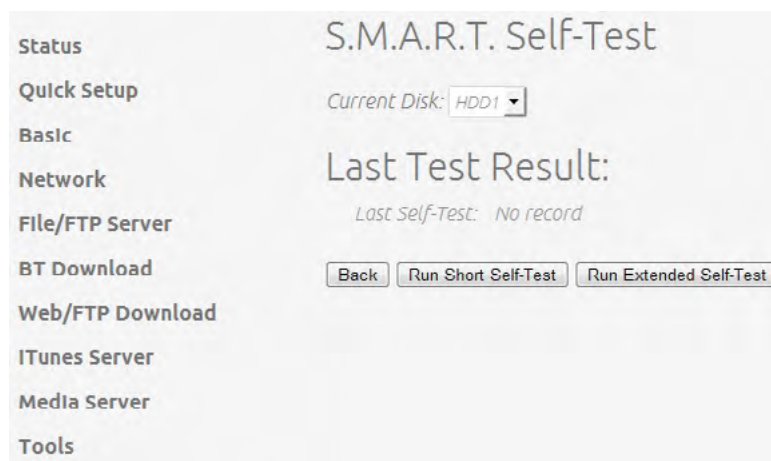

Parameter	Description
E-mail Notification	If you select "Send email once if disk problem is existed", then the Koobrick Boxi will send a notification e-mail to you in the first time it detects the problem of the hard disk drive. If you select "Send email once per day if disk problem is existed", then the Koobrick Boxi will send a notification e-mail to you every day when it detects the problem of the hard disk drive until the problem disappears.
Buzzer Notification	If you enable "Buzzer Notification", the Koobrick Boxi will beep to notify you when it detects the problem of the hard disk drive.

Click **<Apply>** to apply the settings.

S.M.A.R.T. Self-Test
S.M.A.R.T. Self-Test will let the hard disk drive do self test for errors. It will take several minutes depends on the status of the hard disk drive.

Note: Doing S.M.A.R.T. Self-Test will make all services of the Koobrick Boxi stop.

Parameter	Description
Current Disk	Select the hard disk drive that you want to test.
Run Short Self-Test	Start a basic self test on the hard disk drive.
Run Extended Self-Test	Start an extended self test on the hard disk drive. It will take long time.

Auto Partition & Format

This function will build partition and format the attached storage device according to the following rules.

Warning: The data originally stored in the attached storage device will completely disappear after you doing "Auto Partition & Format" even if you stop it before the job is finished.

The rules of internal HDD and external USB storage device are different :

Internal SATA hard disk drive (includes RAID mode):
1. It creates a single partition with the size of the whole SATA disk drive or the whole RAID virtual hard disk drive.
2. It formats the created partition by EXT2 format.

External USB mass storage device:
1. If the size of the USB mass storage device is larger than 160GB, it divides the USB mass storage device into several 160GB partitions. The size of the last partition may be less than 160GB. Otherwise, it creates a single partition with the size of the whole USB mass storage device.
2. If formats all the created partitions by FAT32 format.

Note: During the process, user can click the "Stop" button to stop the job before it is finished and back to Storage tools page to add or remove partition manually.

8.2 Storage Status

This Page shows the status of all attached storage devices.

Parameter	Description
Unplug	You can click this button to safely unplug the external USB mass storage device.
Partition	The partition name of the attached storage device.
Size	Total space of this partition.
Used	Total used space of this partition. Here shows the size in byte and the percentage of the total space.
Free	The remaining free space of the partition.
Used Status	The type of the partition. It can be FAT16, FAT32, NTFS or Linux.
Refresh	You can click this button to refresh the Storage Status.

8.3 USB Copy

USB Copy tool allows you to copy the content of one external USB mass storage device toan internal hard drive. To start the copy process Press and hold the Boxi front button for 3 seconds. During Copy the front LED will blink Blue.

> Note: Before you trigger the USB Copy function,make sure that the destination folder has enough free space to store all data of the source USB mass storage device.

Parameter	Description
Source Path	Select USB port that the source USB mass storage device of the USB Copy job will be plugged in.
Destination Path	Select a shared folder as the destination of the USB Copy. The USB Copy tool will create a folder named "USBCopy" under the shared folder you selected. Each time you start a USB Copy job, a new folder named with the trigger time will be created under the "USBCopy" folder and the newly created folder will be the destination folder of the USB Copy job.

Click **<Save>** button to save the configurations.

8.4 Configuration Tools

The Configuration Tools allow you to save (backup) the Koobrick Boxi's current settings. Saving the configuration provides an added protection and convenience when there're some problems with the Koobrick Boxi, and you have to reset to factory default to solve the problem.

You can upload the saved configuration to the Koobrick Boxi through the **Restore Settings** tool. If extreme problems occur you can use the **Restore to Factory Default** tool, this will set all configurations to its original default settings (e.g. when you purchased the Koobrick Boxi)

Parameter	Description
Configuration Tools	Use the "Backup Settings" tool to save the Koobrick Boxi's current configuration to a file named "config.bin" on your PC. You can then use the "Restore Settings" tool to restore the saved configuration to the Koobrick Boxi. Alternatively, you can use the "Restore to Factory Defaults" tool to force the Koobrick Boxi to perform a power reset and restore to original factory settings.

8.5 Firmware Upgrade

This tool allows you to upgrade the Koobrick Boxi's system firmware. To upgrade the firmware of your Koobrick Boxi, you need to download the firmware(www.koobrick.com) file to your local hard disk, and enter that file name and path in the appropriate field on this page. You can also click the browse button to locate the firmware file on your PC or Mac.

> **When upgrading firmware, do NOT:**
> * Disconnect computer from network
> * Disconnect power on Koobrick Boxi
> * Restart computer
> * Disconnect Koobrick Boxi from network
> **If any of this is done during upgrade, the Kobrick Boxi might be damaged.**

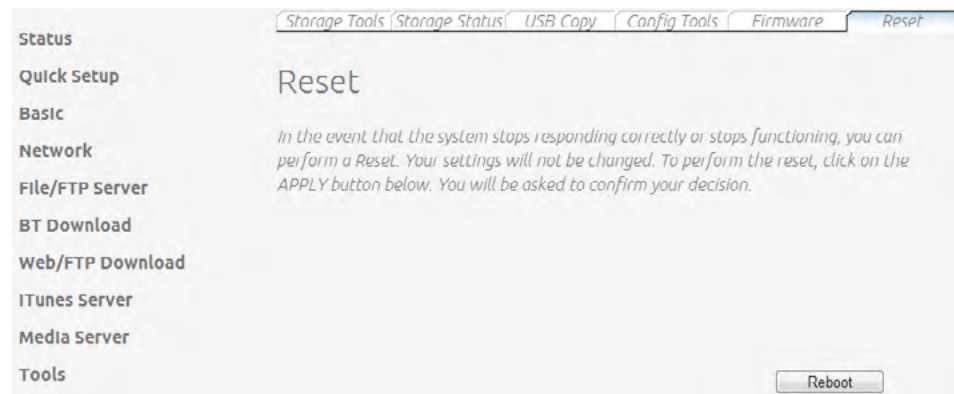Click **<Next>** to go to the upload firmware file page.

After you selected the new firmware file, click **<Apply>** at the bottom of the screen to start the upgrade process. (You may have to wait few minutes for the upgrade to complete). Once the upgrade is complete you can start using the Koobrick Boxi.

Warning : When upgrading firmware, be sure not to switch the computer off, or restart your computer, or break the network connection of your computer.

8.6 Reset

You can reset the Koobrick Boxi's system when there's something wrong with the Koobrick Boxi. The reset function will reboot your Koobrick Boxi.

Parameter	Description
Reset	In the event that the system stops responding or stops functioning, you can perform a reset. Your settings will not be changed. To perform the reset, click on the "APPLY" button. You will be asked to confirm your decision. The reset will be completed after front LED is Blue and then switched off. Once the reset process is complete you may start using the Koobrick Boxi.

9. iTunes Server

Koobrick Boxi support streaming trough iTunes. If you enable iTunes Server function on Koobrick Boxi, all media files on your Koobrick Boxi can be accessed from iTunes compatible devices.

Parameter	Description
iTunes Server	You can enable or disable iTunes Server here. Click "Save" to keep changes or "Cancel" to discard the change you made.
Server name	Please assign a name to iTunes server. All iTunes clients will need this name to locate this iTunes server. The length of valid server name is from 4 to 20 characters. It is case sensitive.
Media folder	Please specify the folder where the media files are stored, and all media files inside the folder you specified here will be shared to all iTunes clients. You can click 'Open' button to select the folder on the attached storage device.
Advanced Setting	Click this button to modify advanced settings for this iTunes server. Detailed instructions are listed below.
Refresh	Click this button to get latest status and user list of iTunes Server.

After you click **<Advanced Setting>**, you'll be prompted to configure the advanced settings of this iTunes server:

Parameter	Description
Protect by password	You can protect this iTunes server by password, so only iTunes clients who know this password will be able to share media files. By selecting "Disable", everyone in your network will be able to access your media files, and if too many users are accessing the media files at the same time, iTunes server may respond slower or even stop responding. It's recommended to select "Enable" to protect your iTunes server by password if you want to prevent non-privileged people from using your media files.
Password	If password protection is enabled, please specify the password of iTunes server here.
Confirm Password	Please confirm the password of iTunes server here.
Rescan interval	Please specify the time interval in second between two iTunes server scans. The iTunes server periodically scan media folder for newly added files. The valid rescan interval is from 30 to 65535 seconds. You can also click "Rescan" button to start a scan immediately. The required scan time varies depend on the number of media files. It may take several minutes to finish. It's recommended to use default value (300) to prevent iTunes server from rescanning too frequently. A short rescan interval will make iTunes server respond slower.
Process m3u	If the folder where media files are located includes any m3u (playlist) file, iTunes server will read it and generate proper playlist for iTunes clients.

Playlist	If you have a playlist file, you can upload it from PC or select it from an attached storage device (by selecting "File Server"). You can click "Open" to choose playlist file from your PC or attached storage device.
Back	If you want to discard all settings listed in this page, click this button to return to previous page.
Save	Click this button to save all settings in this page. You'll be prompted to restart the iTunes server, so all changes you made in this page will take effect after restarting.
Reset	Reset all fields in this page to default value.

10. Media Server

Media server function allows you to share your media files to DLNA compliant devices (TV, Computer, PS3, XBOX360 etc.) trough your network.

Parameter	Description
Media Server	You can enable or disable media server function here. Click **<Save>** to keep changes or **<Cancel>** to discard the change you made.
Server Name	Please specify the name of media server here. Media players need this name to locate this media server.
Rescan Interval	Please specify the time interval in second between two media server scans. The media server periodically scan media folder for newly added files. The valid rescan interval is 0 or from 30 to 65535 seconds. 0 rescan interval means NO AUTO RESCAN. You can also click "Rescan" button to start a scan immediately. The required scan time varies depend on the number of media files. It may take several minutes to finish. It's recommended to use the value larger than 300 to prevent media server from rescanning too frequently. A short rescan interval will make media server respond slower.
Save	Click this button to save general settings of media server.
Add	Click this button to add a new folder to store shared media files. You'll be prompted to select a folder on the attached storage device.
Remove Select	Remove selected folder from the list.

Remove All	Remove all folders from the list.
Reset	Deselect all selected folders in the list.

Info: The max number of shared folders supported in Media Server is 12.

Remove All   Remove all folders from the list.

11. Backup

For backup files from your computer to Koobrick Boxi we have enclosed a backup software called FBackup. During Boxi installation process on a Windows PC you can choose either to install backup software (FBackup) on your computer.
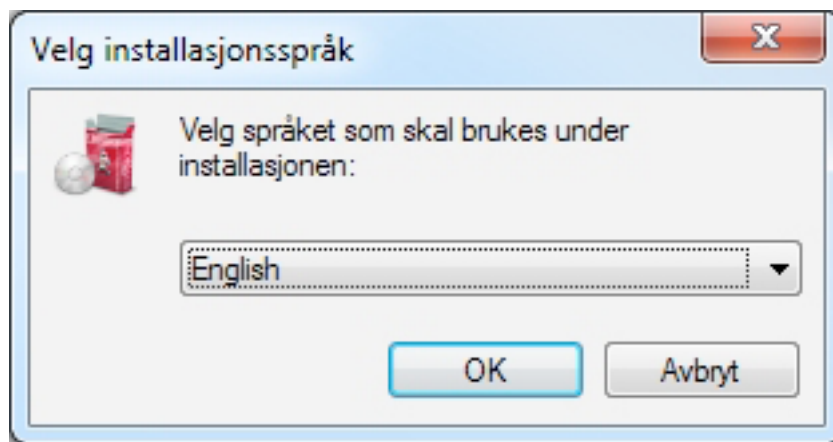
> Note: If desired, you can use other backup programs that supports network storage

> Note: FBackup does not support Macintosh OS.

Manual installation of backup software
In case the backup software is not installed during the installation process, you can install it manually from the Backup folder on Boxi CD.

1. Select language and click **<OK>**.

2. Click **<Next>**.

3. Select "I accept the agreement" and click **<Next>**.
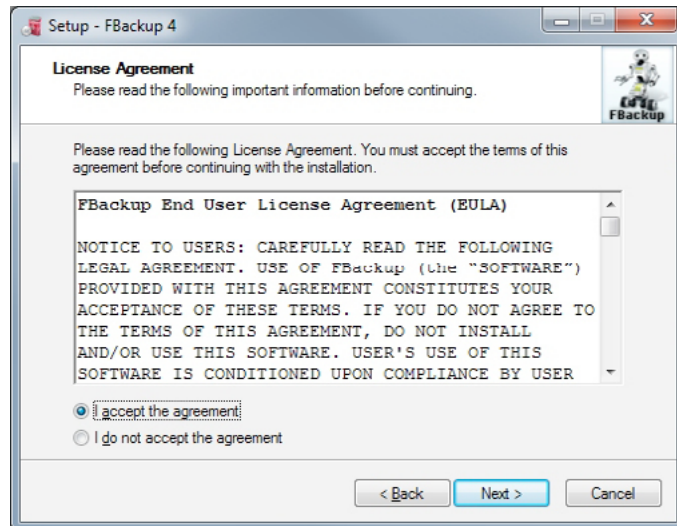
4. Select installation folder and click **<Next>**.
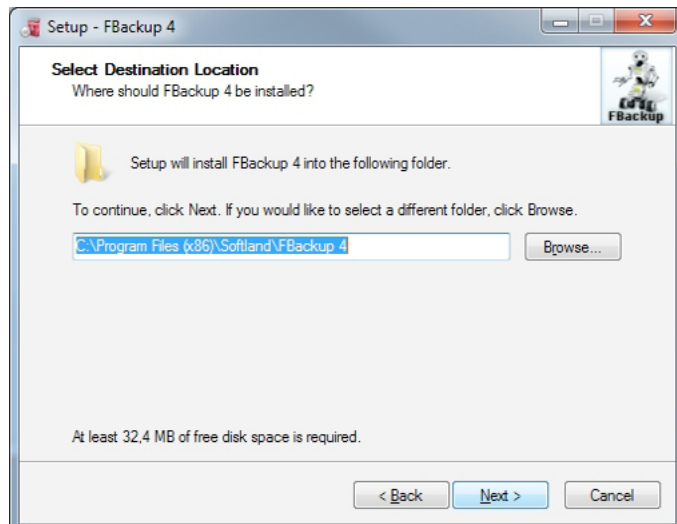
5. Select program name and click **<Next>**
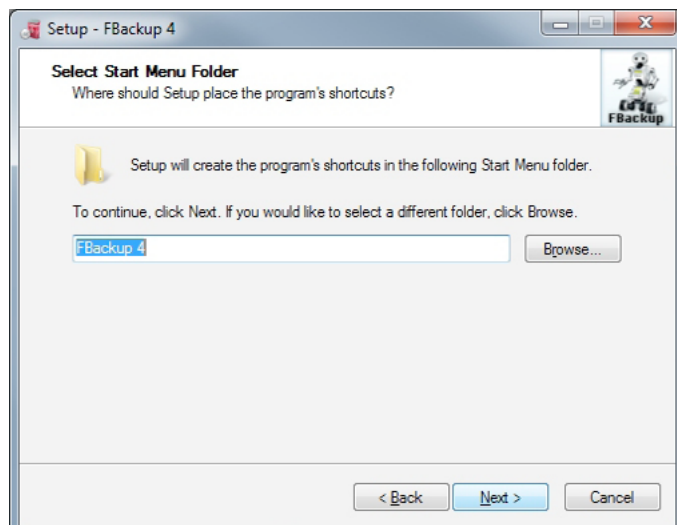
6. Select additional tasks and click **<Next>**.
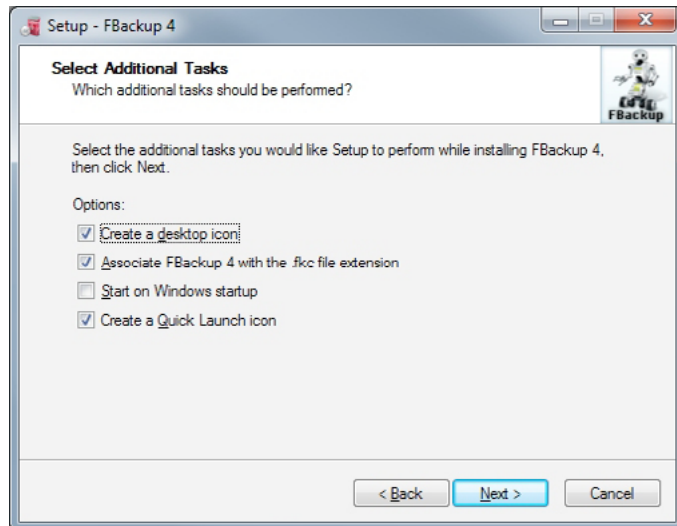
7. Select additional language and click **<Next>**.
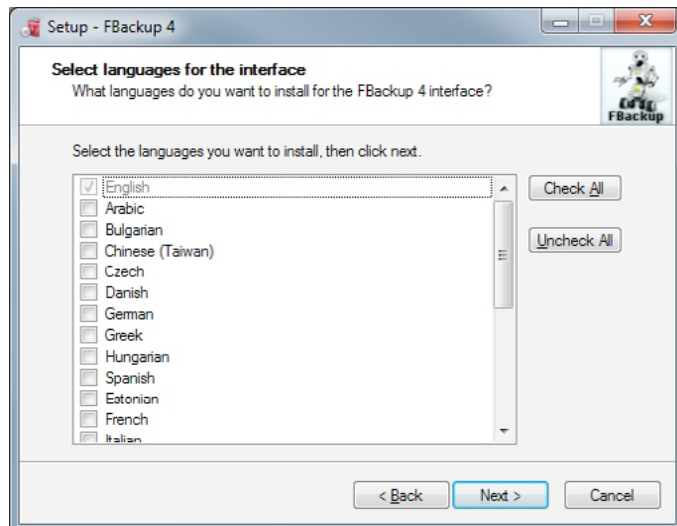
8. Select default language and click **<Next>**
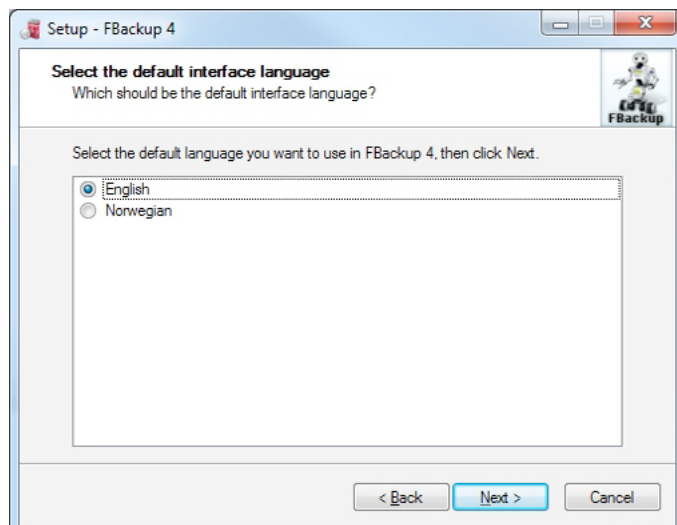
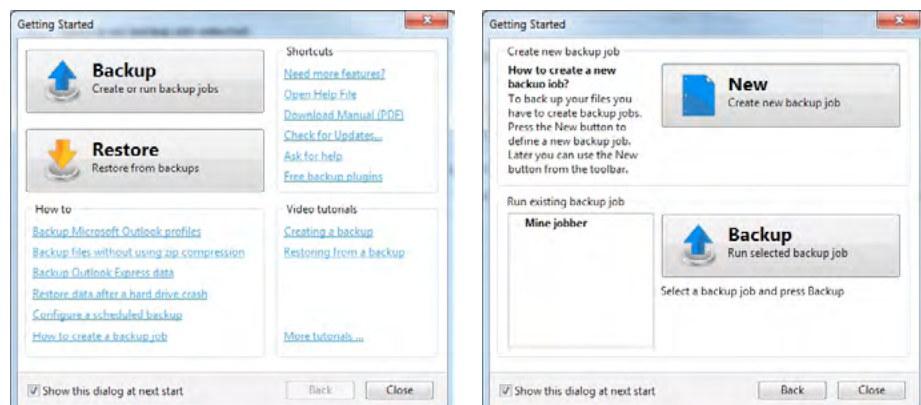9. Click **<Install>** to start the installation.
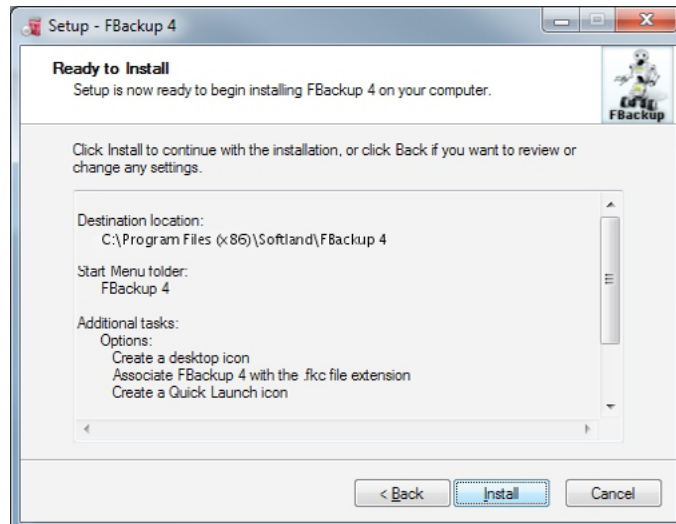
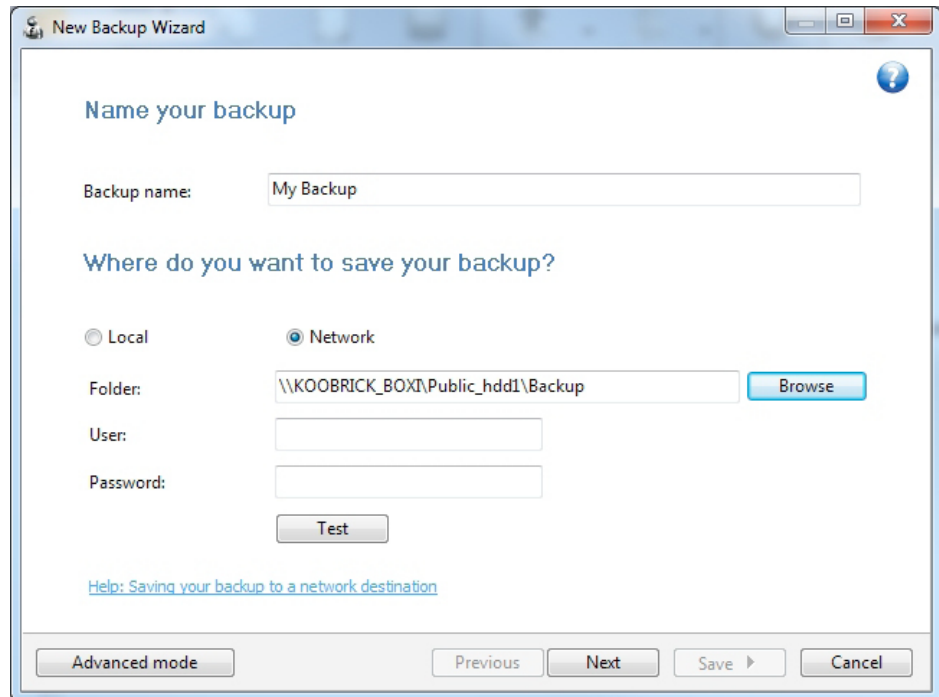10. Select additional options and click **<Finish>**.

Add a Backup Job

1. Start FBackup by doubleclick on the FBackup icon found on your desktop.
When the program opens click **<Backup>** and next click **<New>**

2. Enter desired name of backup job. Select Network and click **<Browse>**.

3. Select **Koobrick_Boxi** from the list and then select which folder you want to use for backup.

NOTE : Please enter username/password if required by selected folder.
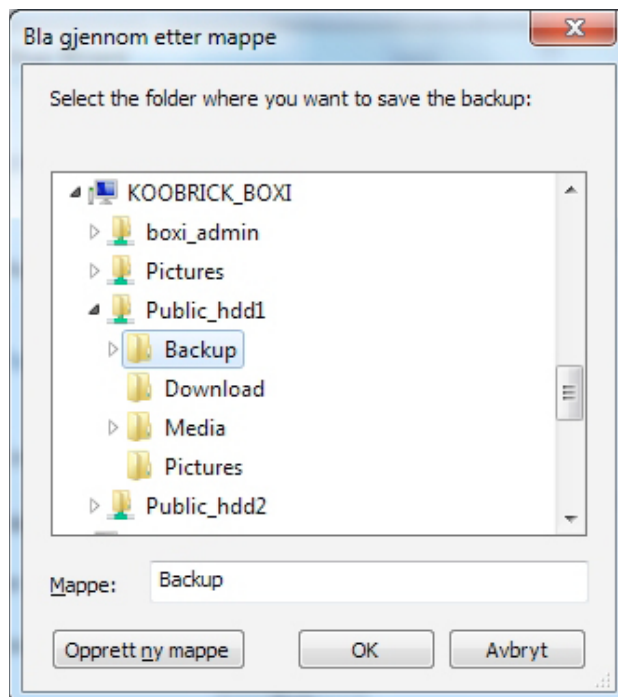
4. Select what you want to backup. You can select folders or predefined tasks like email, my pictures etc..

Click **<Add folder>** and select folder you want to backup and Click **<OK>**.
You can add more folders by repeat this step or just press **<Next>** to continue to next step.
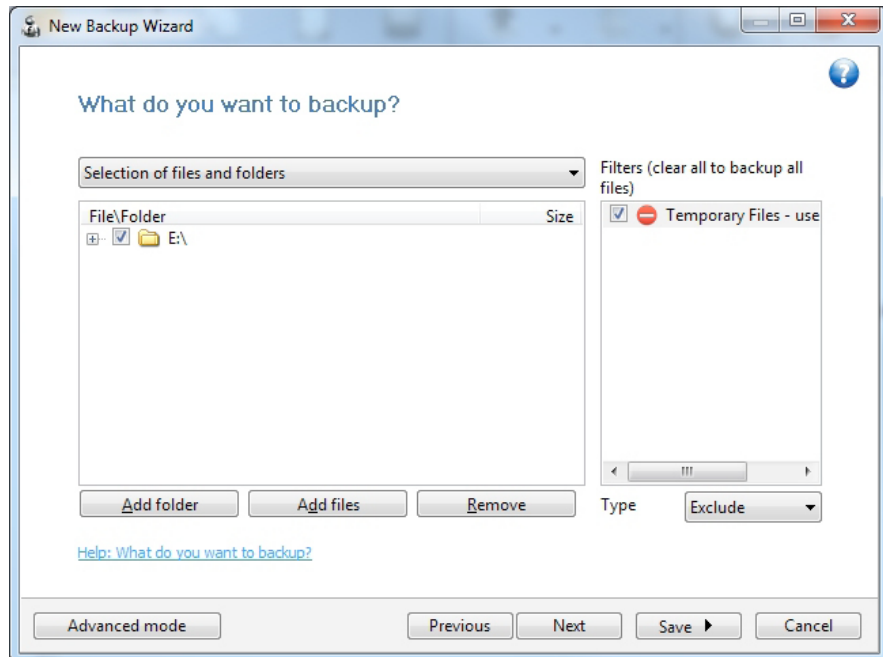
5. Select how you want FBackup to store the backup files and click **<Next>**.
Make full - compress files into ZIP files.
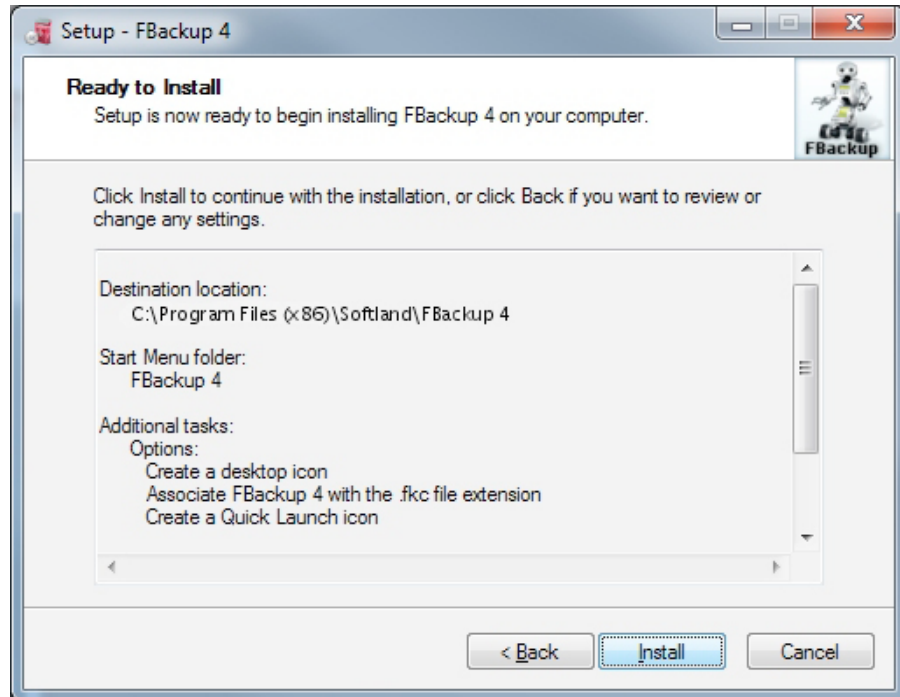**Make mirror** - create an exact copy of the backup data (1:1)
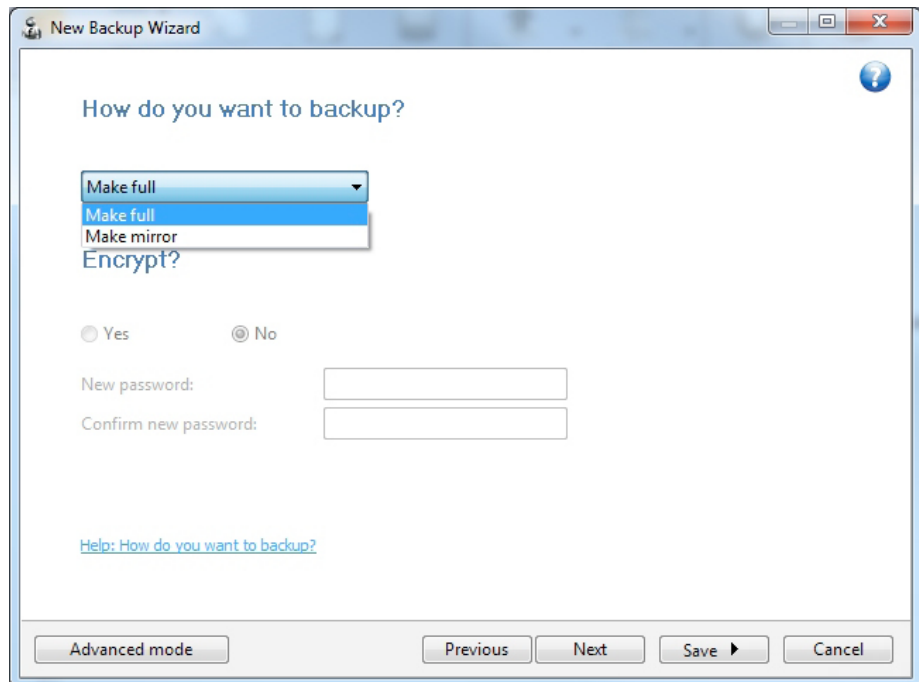
6. Select when you want to the backup to start. You can select between manually, daily, weekly, monthly or shutdown.

Your backup task is now configured. Click Save and then choose between:
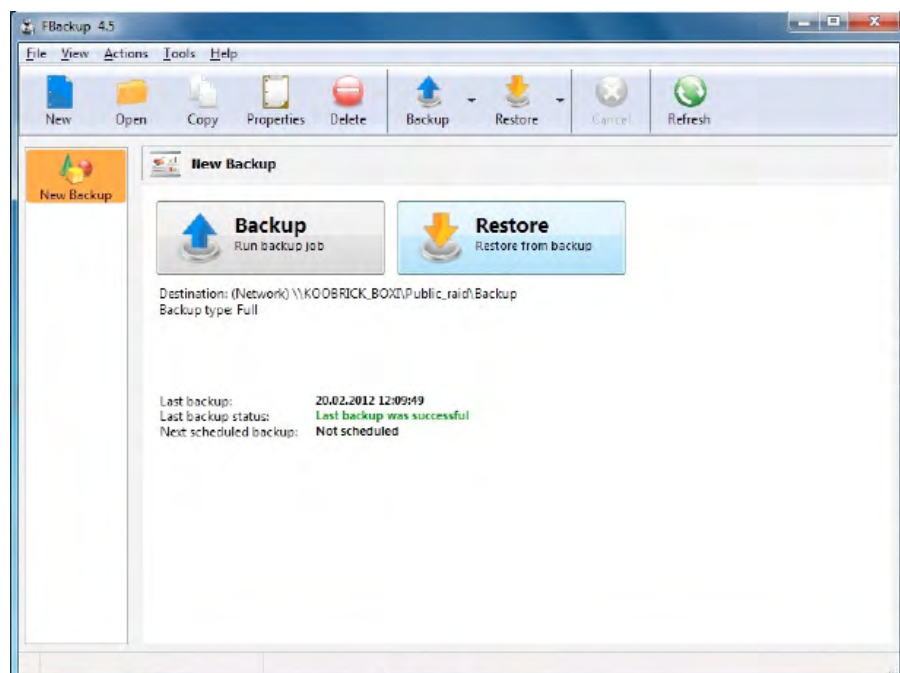**Save - Save** current backup task and return to main menu.
Save and run - Save current backup task and start the backup process


How to use other FBackup functions

Restore a backup job

1. Start the FBackup software. From left menu select which backup you want to restore from and then click Restore button.
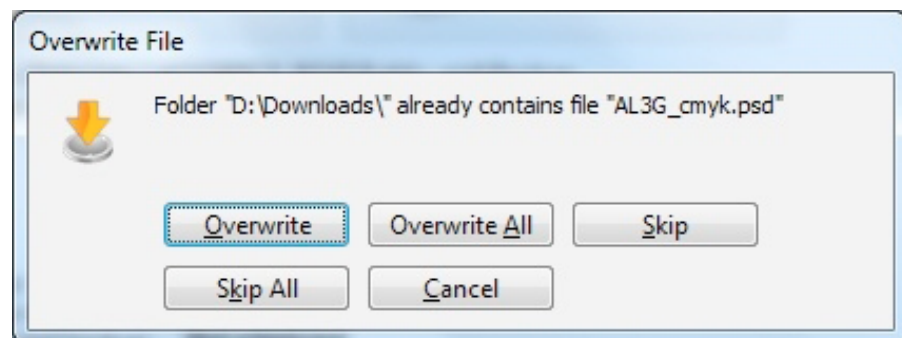
2. Select where you want to save the restored files.
If there are multiple backup from same location you can select which version you want
to use for restore.

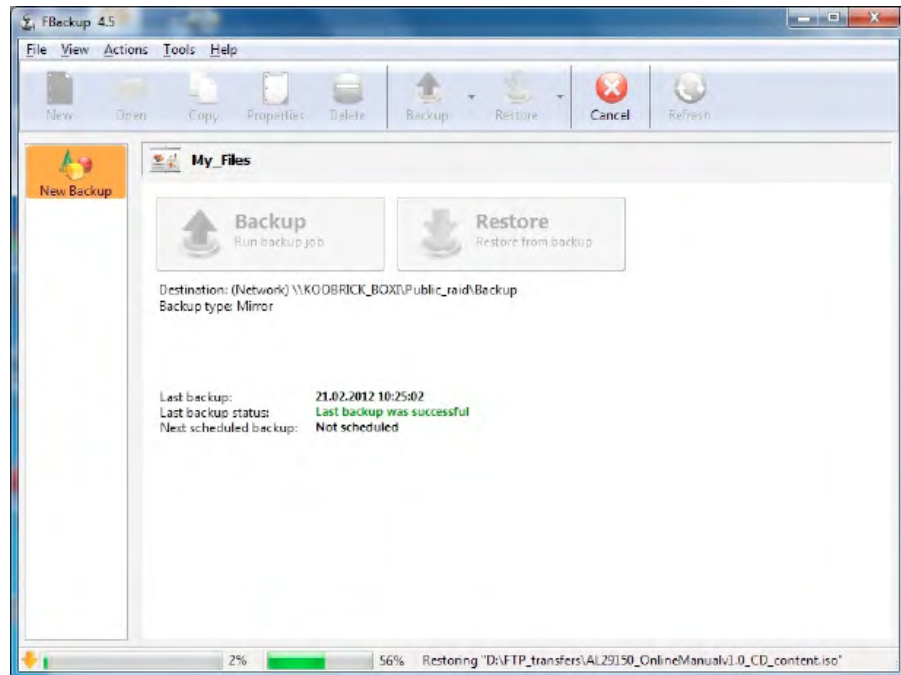Click Finish to start Restore process.
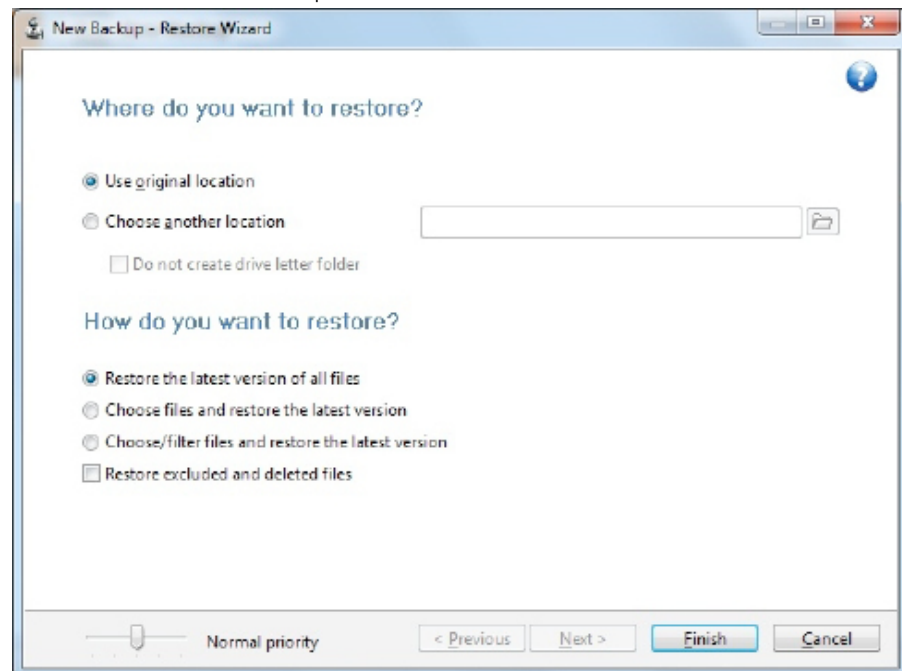
3. FBackup will prompt you if you want to overwrite the files.

4. During Restore process you can follow the progress.

4. During Restore process you can follow the progress.

12. Recovering RAID failures

Please note

Recovering a defective hard disk is only possible if your hard disks are setup in RAID 1 mode. If you have setup your Boxi in RAID or JBOD recovery cannot be done.

If your Boxi is setup with two hard disks and set into RAID 1 mode you are able to recover your files if one hard disk are defective.

To recover a faulty hard disk you need to buy a new hard disk with the same space as the defective one.

As an indication of a possible RAID error the front LED of your BOXI will flash rapidly in RED.
By follow this steps you are able to recover a defective hard disk.

1. Open your web browser and enter http://boxi and click enter.
2) Username = admin and password = 1234 (or your own if you have changed it)
3. In the first menu you will see the current status of your Boxi.
In the below example BOXI is setup with RAID1 and the HDD2 is faulty.
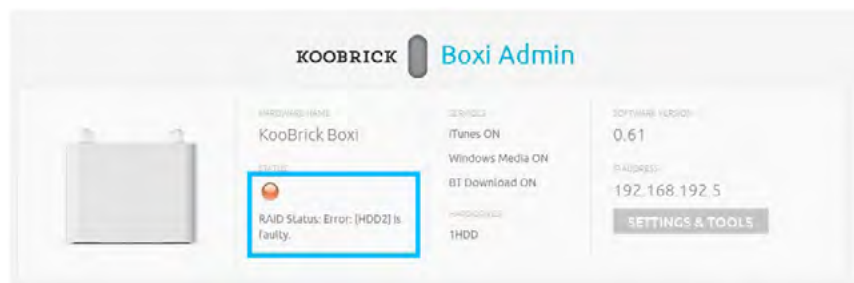
4. Click SETTING & TOOLS and then Tools in the left menu.
To fix the RAID error click the FIX RAID button.
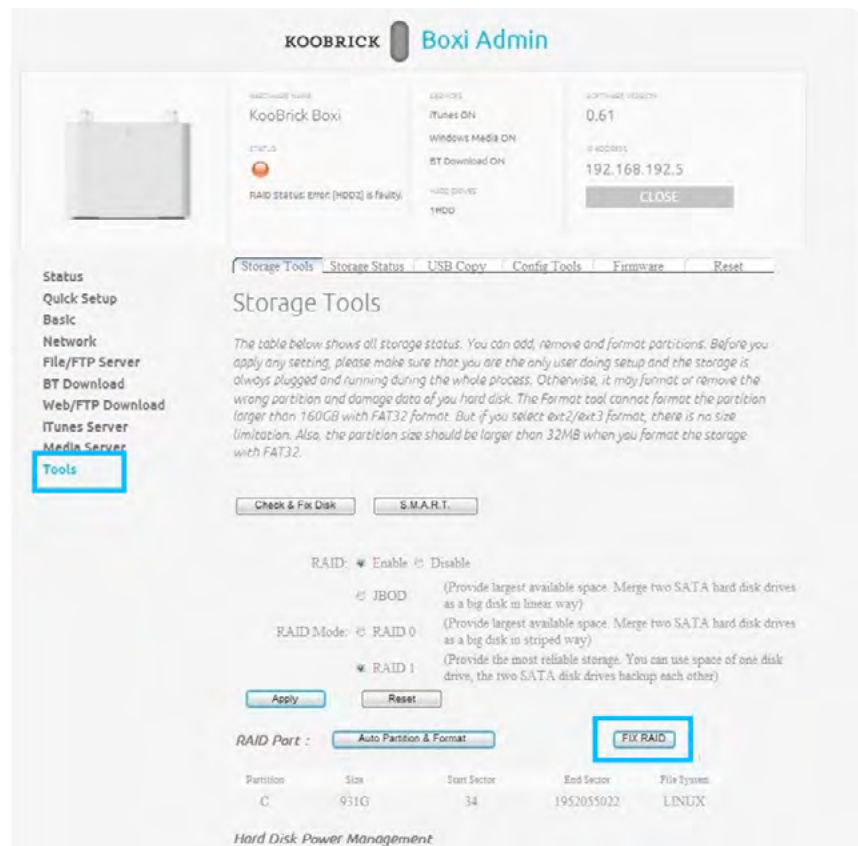
5. You will get the below warning message. Please read it carefully and click OK if you want to start recovering the faulty hard disk.
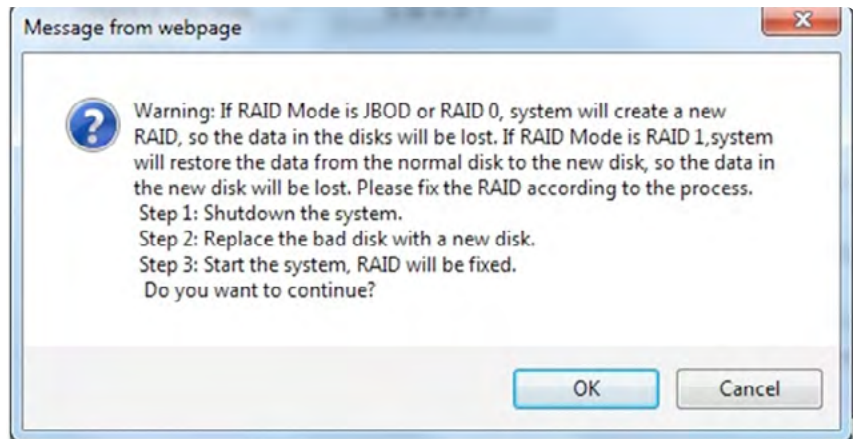
6. Switch off your KooBrick Boxi and replace the defective hard disk with a new one. Please make sure you replace correct hard disk. In this example it is the HDD2 that is faulty and this is the drive bay number 2.
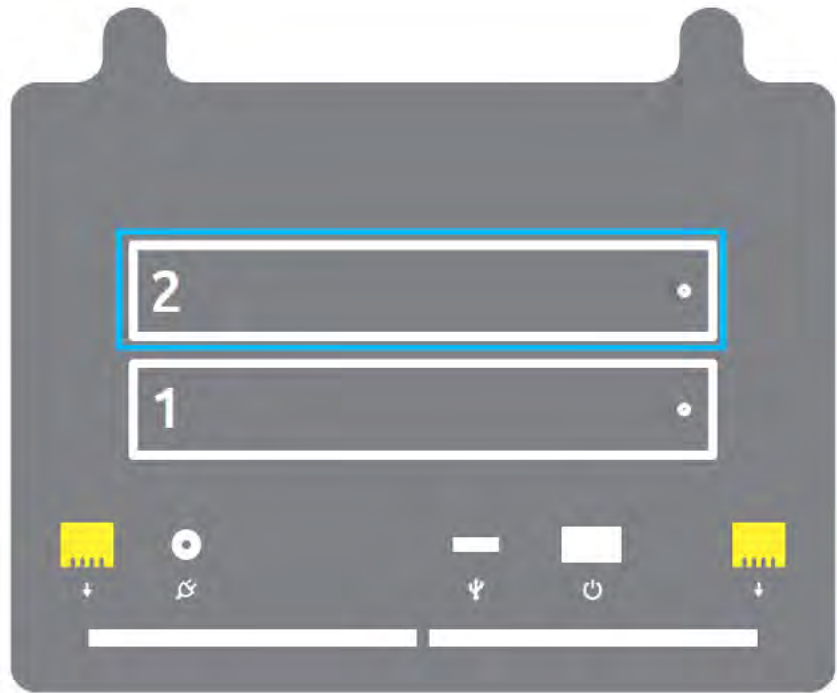
7. Switch on your KooBrick Boxi again. KooBrick Boxi will now start synchronizing the hard disks and you can start using your KooBrick Boxi again.
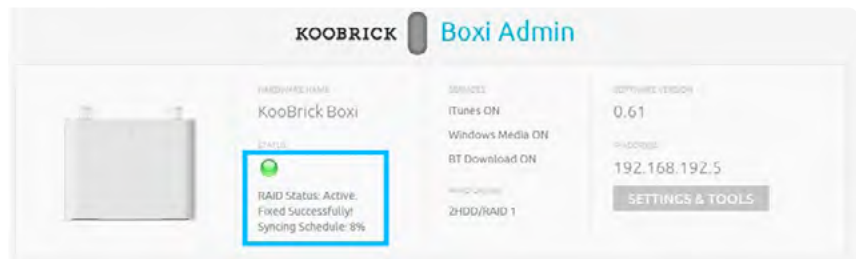
13.Boxi Tools

During Boxi Setup the following tools will be installed on your computer (only for Windows OS). You will find the following tools in the KooBrick Boxi program folder.

Boxi Admin
This gives you access to Boxi user interface for manual configuration.

Boxi Download Manager (see chapter 13.1)
Download manager is a Windows based software to manage downloading of files via BitTorrent, FTP and WEB.

Boxi Upgrade
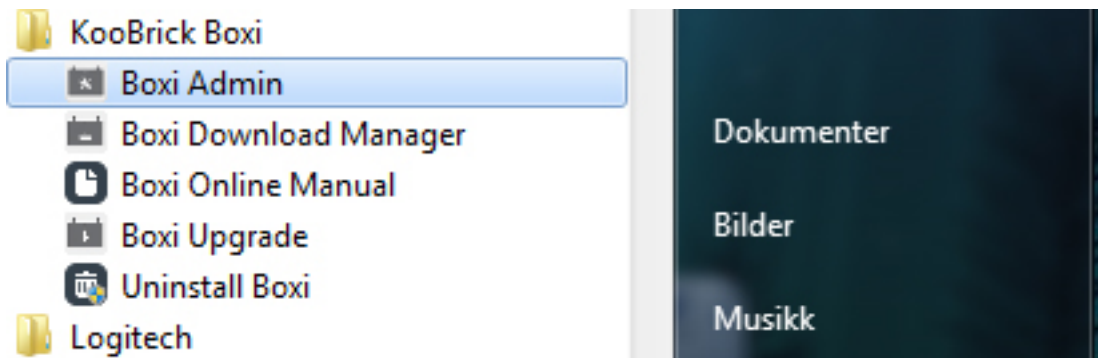Tool for adding new functions if available.

Boxi Online manual
This is a shortcut to KooBrick webpage where you can find the latest manual.
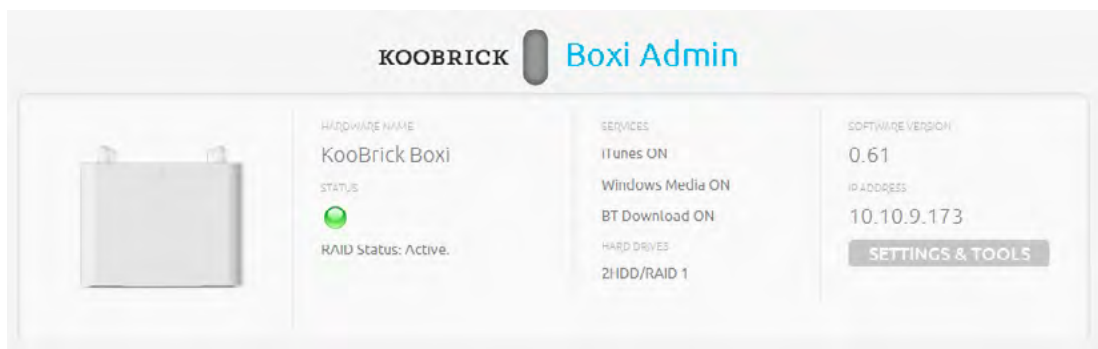
13.Boxi Admin

Boxi Admin is a tool to get easy access to the Boxi Admin page.

If you want to access menu of your KooBrick Boxi you can click
Start -> Programs -> KooBrick Boxi -> Boxi Admin

Enter username and password for your KooBrick Boxi.
Default username=admin and password=1234.

Now you will get access to the admin panel of your Boxi where you can do various changes.
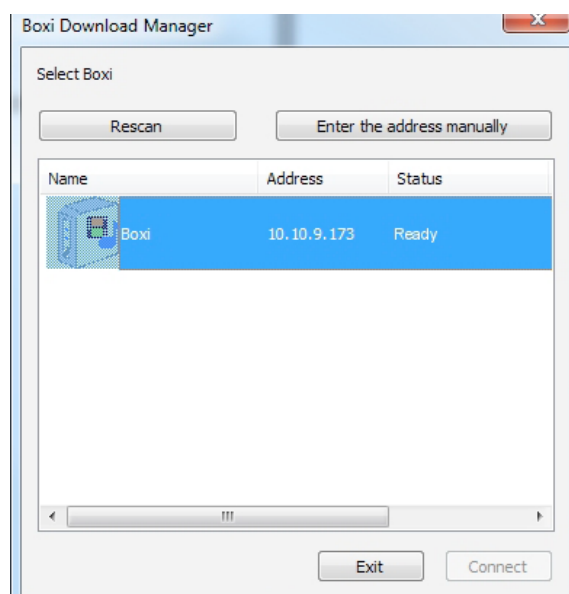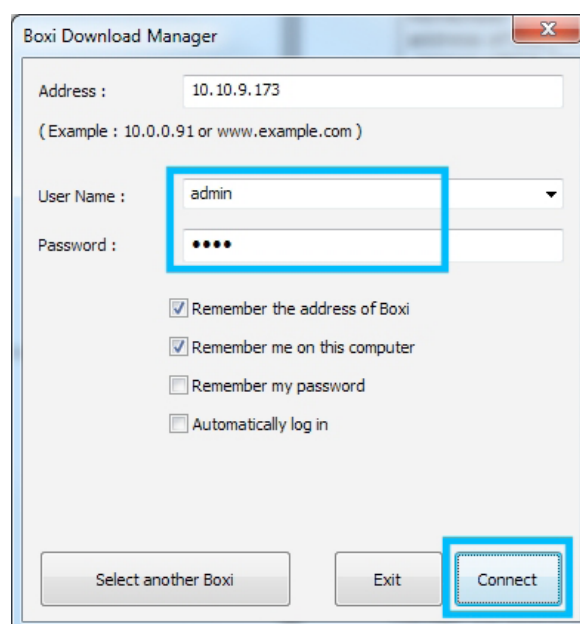
13.1 Boxi Download Manager

Boxi Download manager is a windows based software to manage downloading of files via WEB torrent, FTP and WEB. Chapter 12 includes basic instructions only. For detailed information about Download manager see chapter 6 (WEB torrent) and chapter 7 (WEB/FTP).

You can start Download Manager by click **Start -> All programs -> Koobrick Boxi**

When starting, the Download Manager will scan your network for all available Koobrick Boxis and list them to you. If you do not see the Koobrick Boxi, please check the network connectivity and click **<Rescan>**. Select the Koobrick Boxi in the list and click **<Connect>** to login the Koobrick Boxi. You also can click **<Enter the address manually>** if you know the address of the Koobrick Boxi.

The Download Manager will prompt you for the login information of the Koobrick Boxi for connecting to the Koobrick Boxi.

Parameter	Description
Address	If you select a Koobrick Boxi from the list in the previous step, then this is the address of the selected Koobrick Boxi and you cannot modify it. If you click "Enter the address manually" in the previous step, then you have to assign the address of the Koobrick Boxi here.
User Name	Enter your login account for the Koobrick Boxi.
Password	Enter your password for the Koobrick Boxi.
Remember the address of this Koobrick Boxi	If you check it, Download Manager will remember the address of the Koobrick Boxi. Every time when you start Download Manager, the address of this Koobrick Boxi will be listed in the server list for selection, even when the Koobrick Boxi does not exist in your network during the scanning.
Remember me on this computer	If you check it, Download Manager will remember your account for the Koobrick Boxi. Every time when you enter this login window, your account will be in the User Name list for selection.
Remember my password	If you check it, Download Manager will remember your password for the Koobrick Boxi. Every time when you enter this login window and use the same user name for login, Download Manager will automatically fill your password.
Automatically login	If you check it, Download Manager will remember your account and password for this Koobrick Boxi. Every time when you start Download Manager, it will directly login. This login window will not display.
Select another Koobrick Boxi	Go to the previous step to scan for available Koobrick Boxi and select a Koobrick Boxi again.

Manage download items

After you login, the main window of Download Manager will pop up as following picture. There are two major parts in the window. The BT Download part is to manage the download items of BT, the Web/FTP Download part is to manage the download items of Web/FTP.

All BT download items are listed in the BT Download list and all Web/FTP download items are listed in the Web/FTP Download list. The Download Manager will automatically refresh both lists every 60 seconds.
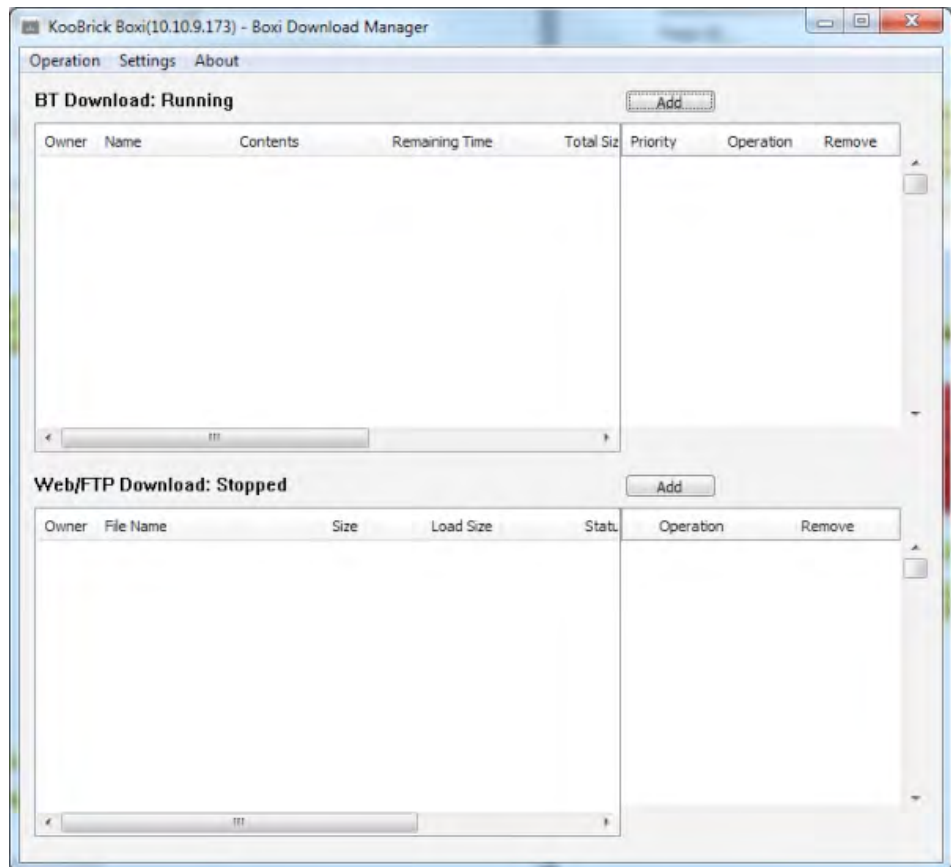
Through Download Manager, you can click **<Add>** to add a download item, or click **<Remove>** to remove a download item.

Every stopped download item has a "Resume" button and you can resume that stopped download item by clicking the **<Resume>** button;

Every non-stopped download item has a "Pause" button and you can stop that download item by clicking the **<Pause>** button.

For every BT download item, there is also a **<Priority>** combo box. You can adjust the priority of BT download items by re-selecting the priority for each BT download item.
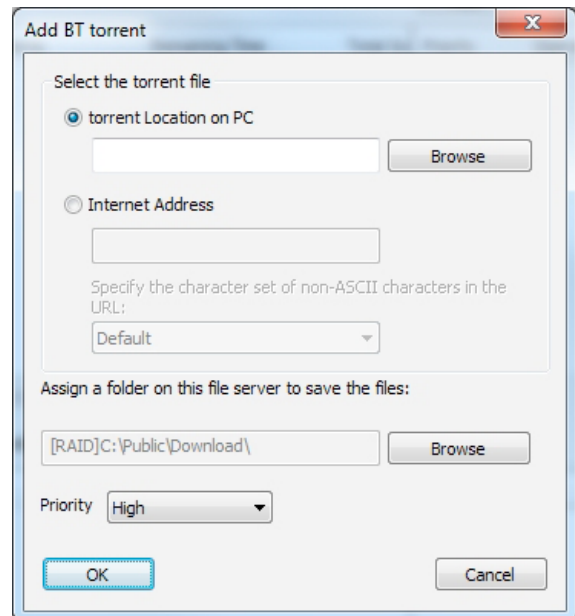
The **download status** are displayed with different text/background color :

1. Download items with error or pause state are in grey background color.
2. Trying or downloading items are displayed with blue text.
3. Items in waiting state are displayed with red text.
4. Finished items are displayed with green text.
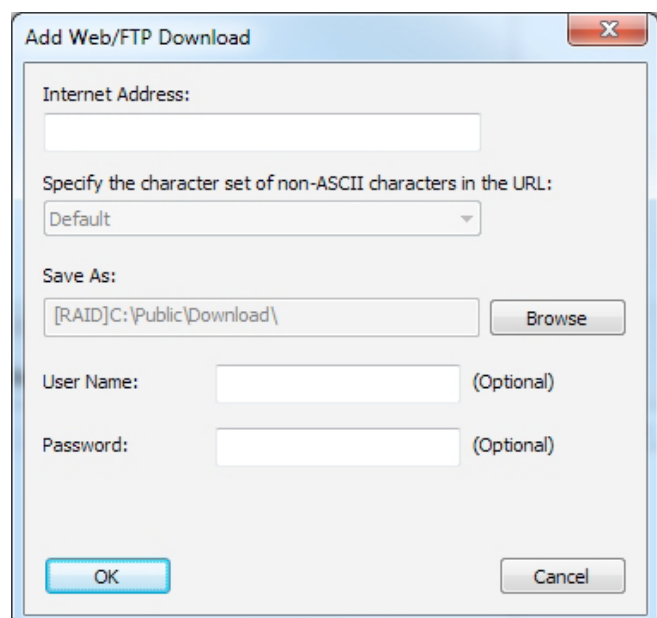
Add a download item

When you click **<Add>** button of **BT Download**, the following window will pop up. You can assign a torrent of BT download item here. You can upload a torrent file from your PC or just enter the Internet address (URL) of the torrent file. If you provide an Internet address of the torrent file, the Koobrick Boxi will download the torrent file from the Internet address first and then download the files you want according the content of the downloaded torrent file. You also have to assign the path of a folder on the Koobrick Boxi to save the downloaded files and the priority of the download item.

When you click **<Add>** button of **Web/FTP Download**, the following window will pop up. You have to assign an Internet address of the file. You also have to assign the path of a folder on the Koobrick Boxi to save the downloaded file. If the server requires you user name and password during download, you also have to assign them.

If you are using Microsoft IE to surf the Internet and find a link of an interesting file that you want to download, you can click the right button of your mouse on the link and the following menu will pop up.
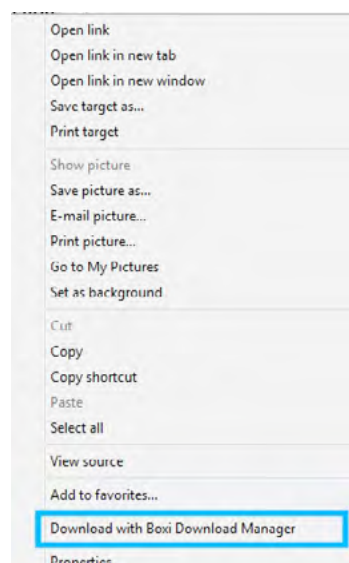
Select "Download with Download Manager", then the download job will be added to Download Manager automatically and the downloaded files will be saved in default path on the Koobrick Boxi.

If you double click a torrent file in Windows Explorer (try to open a torrent file), then the download job with added to Download Manager automatically and the downloaded files will be saved in default path on the Koobrick Boxi.

If the download job cannot be added to the Download Manager immediately when you are adding a download job from IE or Windows Explorer, this may due to the Koobrick Boxi or the Download Manager are busy, the following window will pop up.
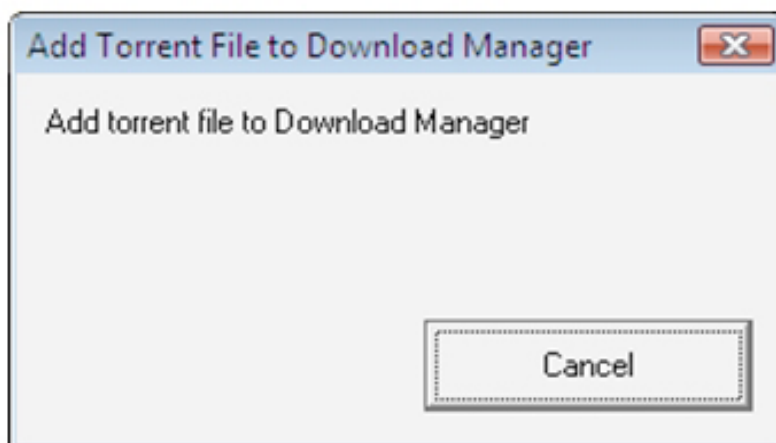
This window will keep displaying before the download job is successfully added into Download Manager. You can click "Cancel" in this window to abort adding it to the Download Manager. After the download job is added to the Download Manager, this window will disappear automatically.

Settings for Download manager

There are "Actions" and "Settings" menu in the main window of Download Manager.
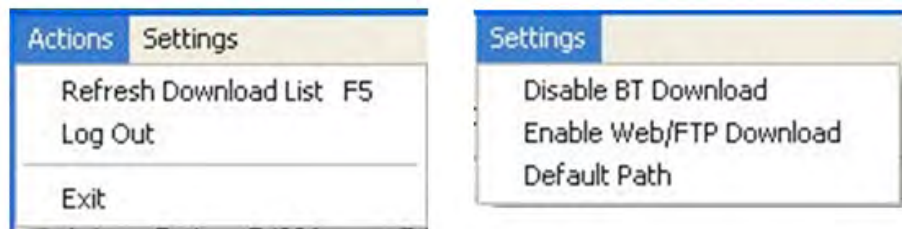

Actions:
1. **Refresh Download List** - refresh both download lists.
2. **Log Out** - the Download Manager will disconnect current Koobrick Boxi and the "**Select Server"** window will pop up.
3. **Exit** - the Download Manager will completely exit and both the main window and the tray icon of Download Manager will disappear.

Settings:
4. **Disable BT Download** - let you activate/deactivate WEB torrent download.
5. **Enable Web/FTP Download** - let you activate/deactivate Web/FTP Download.
6. **Default Path** - lar the following window will pop up to let you assign a default path for the Download Manager on the Koobrick Boxi.
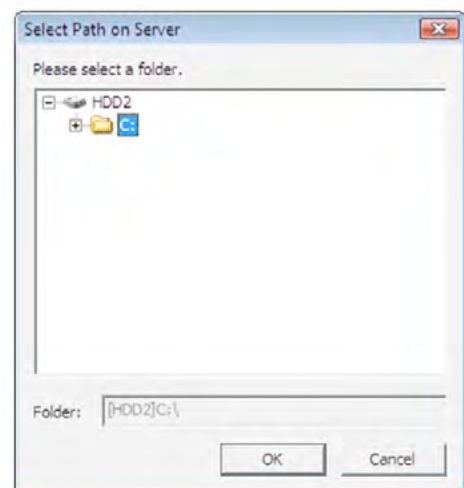
Tray Icon

After you login the Koobrick Boxi, the tray icon of Download Manager will display as follows. When you close the main window of Download Manager, the Download Manager is still executing in the background and the tray icon of Download Manager is still displaying. When you double click the tray icon of Download Manager or click the right button of your mouse on the tray icon and select "Show Window" in the pop-up menu, the main window of Download Manager will display again.